

THE KANSAS INDUSTRIALIST

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SHRUNKEN ENROLMENT YIELDS LESS FUNDS FOR ACTIVITIES

APPORTIONMENT BOARD LEVIES 3 PER CENT CUT

**Athletics Allotment Takes Biggest
Loss with Drop of Almost
\$2,000 from Fall
Figure**

Decreased enrolment at Kansas State College for the spring term of 1942 has necessitated a \$1,500 cut in the total allotments to student organizations from the activity fund. This has resulted in a 3 per cent reduction in the total amounts apportioned to the benefited organizations, according to Larry Spear, president of the Student Governing association and chairman of the apportionment board.

The original allotments were made last fall and were based on the assumption that approximately \$51,000 would be available for distribution. The drop in receipts from activity fees caused this amount to be cut to \$49,500.

ATHLETICS CUT MOST

To safeguard against overspending by the student organizations, Spear said, 10 per cent of the funds allotted for last semester were frozen until February 15, or after the second semester registration.

The athletics fund received the biggest cut in allotment with a drop of almost \$2,000 from the figure announced last fall. Although athletics received \$23,527 instead of \$24,240, the percentage apportioned was higher than originally.

The Royal Purple, College yearbook, received a \$400 cut from its former figure of \$13,840 to \$13,433. The Student Celebrity Series received \$1,359 from the fund; Manhattan Theatre, campus dramatics organization, received \$1,664; and the College band \$1,000, representing a cut of \$55.

THREE STUDENTS ON BOARD

The Kansas State Collegian, student newspaper, will receive \$2,058, about \$60 less than the former figure. The crops and livestock judging teams will be given \$1,646.

Members of the apportionment board are Spear, Al Coates, Alma Deane Fuller, Prof. H. W. Davis, head of the Department of English, and Prof. R. I. Throckmorton, head of the Department of Agronomy.

The complete list of appropriations:

Athletics	\$23,527
Royal Purple	13,433
Band and Orchestra	1,800
Student Governing association	956
Student Celebrity Series....	1,359
Manhattan Theatre	1,664
Collegian	2,058
Debate and Oratory	708
Judging Teams:	
Crops	180
Livestock and Meats.....	864
Dairy and Products.....	417
Poultry	141
Apples	44
Engr. Open House	922
Hospitality Week	461
Rifle Team	204
Accounts and Auditing	301
Publicity	461
Total	\$49,500

GLENN H. BOES KILLED IN ACTION WITH U. S. ARMY AIR CORPS IN JAVA

**Graduate in Civil Engineering Lettered
in Basketball and Tennis
Here**

Lt. Glenn H. Boes, C. E. '39, was killed in action with the Army Air Corps in Java, February 3, according to word received by his wife, Mrs. Lila Neubauer Boes, a resident of Manhattan.

While in college, Lieutenant Boes was a member of Steel Ring, Sigma Tau, and lettered in varsity basketball and tennis. In 1939 he was secretary of the American Society of Civil Engineers.

Mediator



DR. WALLACE W. ROBBINS

PASTOR-MEDIATOR WILL SPEAK HERE ON ANNUAL CHRISTIAN WORLD FORUM

**Dr. Wallace W. Robbins and Other
Church Leaders to Participate in
Weekend Programs**

Dr. Wallace W. Robbins will be a guest speaker at Kansas State College during the twenty-second annual Christian World Forum, which will begin Friday and continue through Sunday.

Doctor Robbins, pastor of the Unity church of St. Paul, is being brought to Manhattan under the auspices of the Manhattan Ministerial union and the Christian associations of the College.

Active in labor mediation, Doctor Robbins will speak to a labor and economics class and later will discuss "Labor in Wartime" at the student forum in Recreation Center at 12:20 p. m. Friday. Later in the afternoon, he will speak over station KSAC on the weekly YMCA program.

Other well-known speakers who will address World Forum audiences are Dr. Gordon B. Thompson, pastor of the First Methodist church in Hutchinson; Dr. Burris Jenkins, pastor of the Community church in Kansas City, Mo.; and Dr. Orville S. Walters, president of Central college in McPherson, Kan.

BEGIN THREE COURSES, PLAN OTHERS IN DEFENSE TRAINING PROGRAM HERE

**Open Engineering Drawing, Radio
Technology and Materials Inspection
for Highways and Airports**

Three more courses in the defense training program being conducted on the campus opened last week with 64 students enrolled. Three other courses will be opened as soon as the required number of students have made application for enrolment in them.

The courses opened last week are Engineering Drawing, with 25 students; Radio Technology, with 25 students; and Materials Inspection for Highways and Airports, with 14 students.

The new courses to be offered are Cost Accounting, Spectroscopy, and Chemistry of Powder and Explosives. All tuition fees for the short courses are paid by the government with only personal expenses paid by the student.

Prerequisite for the 12-week Cost Accounting course is six hours of college credit in elementary accounting principles or its equivalent in business experience. Spectroscopy and X-ray admission requirements are college credit in algebra, trigonometry and one year of physics.

Prerequisite for the explosives course is college training in general chemistry and at least three credits of quantitative analysis.

Sessions of these short courses offered under the defense training program are scheduled at frequent intervals throughout the year, according to Prof. W. W. Carlson, head of the defense training program here.

Seventy-Third Farm and Home Week Programs Command Deep Interest During Critical Times

Outcome of Annual Institute Is Highly Pleasing to Williams

The seventy-third annual Farm and Home Week at Kansas State College, which drew to a close last Friday night, was described today as a "complete success" by Prof. L. C. Williams, assistant dean of the Extension service who directed the affair.

Williams pointed out that the attendance of an official 1,492 persons, during a time when the desire to save tire rubber and the difficulty in obtaining farm labor at home made traveling troublesome for rural folk, was an indication that interest in the programs was high over the state. He noted also that those who attended—some 25 per cent fewer than the average attendance at Farm and Home Week—showed an unusual interest in the conferences. At least part of this increased interest he attributed to the fact that farmers face both peculiar opportunities and problems at this time.

WORLD IS SHRINKING

Among the highlights of the Farm and Home Week program last week were talks by Dr. W. E. Grimes, head of the Department of Economics and Sociology, and J. Russell Wiggins, managing editor of the St. Paul, Minn., Dispatch and Pioneer Press.

Doctor Grimes discussed "Planning a Post-War Agriculture" during the agronomy program, in which he said America's biggest problem in the post-war period will be her people's living in a smaller world and getting along with their neighbors. Among changes in Kansas agriculture that must be made, Doctor Grimes included a reduced wheat production—with near elimination of wheat as one-crop farming—and increased livestock production.

Wiggins championed the American press against its critics and declared that the freedom of the people as a whole—not newspaper profits—is at stake in the struggle to maintain a free press. The St. Paul managing editor spoke to editors and correspondents attending the fifth annual Journalism Conference sponsored by the Department of Industrial Journalism and Printing.

PROFITS NOT INVOLVED

"As champions of a free press, we labor under a handicap," he said. "The people as a whole often suspect that some of the champions of a free press, who are in the newspaper business, are less interested in the dividends to democracy than in the dividends to newspaper stockholders."

"A free press is not essential to newspaper profits. The profit interests of all of us in the newspaper business are not primarily involved in this struggle. The stockholders in the slave press of the Fascist states continue to make money. . . We can lose a free press and still have a press of some sort of which to make profits and salaries. But if the people as a whole lose a press that is free they will not retain freedom of any kind very long if we may be guided by the experience of other peoples."

Wiggins spoke at a general Farm and Home Week assembly in the College auditorium Thursday afternoon and at an Editors' Dinner in the College cafeteria Thursday night.

In discussing the Farm Credit Administration, of which he is general agent, Fred R. Merrifield, another Farm and Home Week speaker, told his audience that "agriculture has never been organized in so fine a way to meet such an emergency as the war's food-for-victory drive, as it is now."

KNAPP SEES CORRELATION

George S. Knapp, chief engineer, division of water resources of the Kansas State Board of Agriculture, discussed the effect of temperature upon water supplies during the

Calls for Cooperation

"Cooperation coincides with the laws of our being. Its methods are a clear-cut expression of the Golden Rule," Merlin G. Miller of the Consumers Cooperative association Kansas City, Mo., said at the second annual Rural Pastors' conference held as a part of Farm and Home Week. "The organization of local cooperative groups has, in actual fact, created new social units, new groupings of people across denominational and vocational and even racial lines."

"The church, which is the institution of good will, the organized recognition of the brotherhood of man, can promote or provide the 'climate' for the growth of any economic system which promotes ethical relationship conforming to the principles of the Golden Rule," Miller said.

Agronomy program. He said rainfall trends follow temperature trends with periods of drouth characterized by extremely low temperatures. A study of three Kansas rivers through recent ten-year periods disclosed that water flow had decreased greatly. Through weed eradication and proper tillage of soil, loss of water by transpiration and evaporation may be reduced.

During the Beekeepers' program, C. L. Farrar, apiculturist, North Central States Bee Culture Laboratory, Madison, Wis., discussed increasing production without increasing costs. "Increased colony yields is the most effective means beekeepers can use to lower the cost of production," he stated. He said that intensive beekeeping requires more labor per colony but less labor and capital per pound of honey produced.

Mrs. Mary Eck Holland, instructor in the Department of Art, told the Home Economics program audience that creative work in crafts and arts is a necessity for post-war reconstruction. Clara Gebhard Snyder, director of the department of foods and nutrition for the Wheat Flour Institute of Chicago, discussed "Enriched Flour and Good Nutrition" in the Home Economics program. Mrs. Snyder explained that flour was chosen for the food to which the nutrients, B-vitamins and iron are added because it is economical, and everyone can afford to use it.

SIXTEEN MORE K-STATE MEN PLEGGED TO FRATERNITIES

**Nine Organizations Are Included in
Sixth List Released This Year**

Sixteen men at Kansas State College have been pledged to fraternities at the College recently according to an announcement by Dr. Harold Howe, faculty sponsor of fraternities. The list, the sixth released this year, included pledges for nine different organizations.

The men and their fraternities:

Alpha Gamma Rho—Royal Hendershot, Hutchinson; George LeBreton, Leavenworth; George H. Stephens, Cherokee.

Alpha Kappa Lambda—Chester E. Bebermeyer, Robinson; Glenn Wood, Topeka.

Alpha Tau Omega—Richard Appleoff, Hiawatha.

Kappa Sigma—Walter R. Eddy, Onaga; Don Grutzmacher, Onaga; Harry Tyrrell, Columbus.

Pi Kappa Alpha—Karl Funk, Abilene; John Shupe, Ford.

Sigma Alpha Epsilon—Harold Elmer, Manhattan; Norman Sundgren, Falun.

Sigma Nu—John S. McRae, Manhattan.

Tau Kappa Epsilon—John L. Campbell, Concordia.

Theta Xi—Robert I. McCutchan, Lost Springs.

Many Win Awards for Their Successes in Rural Activities

Many of the 1,492 visitors here for the Farm and Home Week four-day program last week returned home with awards and honors for outstanding exhibits or services.

The 73rd annual meeting came to a climax with the presenting of five Kansas Master Farmers, five Master Homemakers and six representative College students at the Achievement banquet Friday night.

Farmers selected through the Kansas Farmer Mail and Breeze and named as members of the 1941 class of Kansas Master Farmers were J. E. Morehouse, Cheyenne county; Sydney E. Walton, f. s. '21, Lane county; O. F. McGonigle, Reno county; W. A. Hegle, Marion county; and Edward W. Kaiser, Miami county.

Five Kansas rural homemakers honored as Master Farm Homemakers were Mrs. Malfer N. Hendrikson, Atchison; Mrs. Curt Benninghoven, Strong City; Mrs. S. Ray Gardner, H. E. '14, Hartford; Mrs. Clifford E. Burton, Coffeyville; and Mrs. Howard M. Dukelow, Hutchinson.

HONOR CORRESPONDENTS

Students cited by President F. D. Farrell as representative of the best in their divisions were Raymond Rokey, Sabetha, Division of Agriculture; Dorothy Beezley, Girard, Division of Home Economics; Keith Wallingford, Manhattan, Division of General Science; James M. Bowyer, Jr., El Dorado, Division of Engineering and Architecture; Donald K. Christian, Leavenworth, Division of Veterinary Medicine; and Albert W. Grundmann, Salt Lake City, Utah, Division of Graduate Study.

Five country correspondents of Kansas daily and weekly newspapers were also honored at the banquet Friday. Those receiving certificates of award for "distinguished service" were Mrs. Verne Alden, writer of the Hickory Creek column in the Wells-ville Globe; Mrs. Elmer McCartney, writer of the Peaceful Valley column in the Smith County Review; Mrs. Otto Meyer, whose "Cass-O-Day Items" appear in the El Dorado Times; Mrs. O. H. Wilson, author of "Mom's Musings" in the Jewell County Record and the Burr Oak Herald, and of "Farm Musings" in the Pink Rag; and Mark Grimes, contributor of the Hopewell items in the Kinsley Mercury.

Grand champion award in the third annual Kansas State Dressed Turkey show held last week was given to a young hen turkey exhibited by Glen C. Bidleman, Kinsley. Sunnyslope Farms, North Platte, Neb., won an award for the best-dressed bird, an old tom weighing 41 1-2 pounds. Rated as grand champion in the oven-dressed division was a bird entered by C. C. Krause, Plains.

CITE FARM BUREAU UNITS

First, second and third places in the Blue Ribbon Wheat Quality Contest were won by B. W. Parsons of Hugoton; Elwyn O. Price, Eskridge, and Howard Hanson, Topeka; and A. M. Fehdrau, Buhler.

Carl Topping, Lawrence, and W. Fred Bolt, Isabel, won premier seed grower awards from the Kansas Crop Improvement association during the organization's annual banquet during Farm and Home Week.

Farm Bureau women's units totaling 242 received awards for having maintained the high club standards set by the State Standard of Excellence.

Officers of the Master Farmers were elected during Farm and Home Week. H. L. Brownlee, Sylvia, is president; H. A. Praeger, '08, Clafin, vice-president; Roy Freeland, '37, Topeka, secretary-treasurer; Herman Theden, Bonner Springs, Chaplain;

(Continued on last page)

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KENNEY FORD.....Alumni Editor

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WEDNESDAY, FEBRUARY 11, 1942

WAR BY HORSEPOWER

The horse may or may not be approaching the status of the dodo and the great auk but the importance of a power unit to which he gave his name—the horsepower—grows apace. Horsepower increases in volume and importance as the number of horses declines. The increased mechanization of war requires more and more horsepower.

A vice president of the General Motors Corporation states that in the first world war a division of infantry used 4,400 horses and only 153 motor vehicles of 3,300 horsepower; but that now it uses virtually no horses but 3,500 motor vehicles of 160 types and of 400,000 horsepower. If these figures are correct, a division of infantry in 1942 uses 121 times as much horsepower as its counterpart used in 1918.

In the long run the increased dependence of war upon horsepower should be an advantage to the United States and our allies. For we are far superior to our enemies in potential horsepower for war machines. The internal combustion engines made in one year by a single American manufacturing company have an aggregate of 240 million horsepower, enough for 600 infantry divisions.

These figures suggest something of the vastness of our potential fighting power and of the importance of raw materials for the manufacture of war machines, of factory operation, of engine fuels and of technically competent personnel if that power is to be utilized fully and effectively.

BOOKS

A Needed Guide

"Weeds in Kansas." By Frank C. Gates, Kansas State College. Published by the Kansas State Board of Agriculture, Topeka. 360 pp. 1941.

This book fills a longstanding need for an authentic treatise on the weeds of Kansas. For several years the interest in identification and methods of control of weeds has been increasing. The noxious weed law of 1937 and the consequent initiation of a statewide program for the control of certain noxious weeds have awakened both rural and city dwellers to the significance of the weed problem. The increasing activities of the weed control program have been accompanied by an insistent demand for complete and reliable information on the weed flora of the state.

The text is written in popular style, and the information is of such practical nature as will appeal to those directly concerned with the tillage of the soil. The author has not sacrificed technical accuracy for simplicity. It is, therefore, a valuable handbook for the farmer as well as a ready reference for research workers. Teachers of agriculture and the plant sciences in the public schools will find it a useful text or reference work.

Extensive in scope, minute in detail, this work may well be rated as an encyclopedia of the weeds of Kansas. The book consists of 360 pages dealing with some 380 species, representing essentially the entire weed flora of the state. Illustrations of each species, involving nearly 1,700 individual drawings, materially aid the layman or non-technical worker in identifying the weed. Nine plates carrying 144 drawings of seedling plants are reproduced from an early publication and represent a unique

and interesting study of weeds not commonly found in publications of this kind. Plates in natural color of four of the primary noxious weeds of the state add materially to the attractiveness and value of the book.

Twenty species that are regarded as most noxious are allotted full-page illustrations and are discussed in some detail. A second group comprising 80 species which may be regarded as secondary noxious weeds are treated in similar detail and illustrated in half-page drawings. Nearly 300 additional species of less economic importance are accorded somewhat less space but are fully described as to botanical characters, growth habit, and ecological relationships, and in many cases control measures are recommended.

This is sixth of a series of books by Doctor Gates, most of which have been published recently by the Kansas State Board of Agriculture. The others are "Poisonous Plants," "Trees of Kansas," "Wild Flowers of Kansas," "A Flora of Kansas," and "Grasses of Kansas."—J. W. Zahnley.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Dr. E. J. Frick of the Division of Veterinary Medicine attended the Louisiana State Veterinary association meeting at Baton Rouge, where he spoke on "Diseases of Cattle" and "Diseases of Small Animals."

Pres. F. D. Farrell was appointed to the National Land Use Planning committee which was being set up by the secretary of agriculture and other government officials and the Association of Land Grant Colleges to formulate a comprehensive plan for an improved system of land utilization in the United States.

Dr. A. A. Holtz, College Y. M. C. A. secretary, was in Chicago for the national Y. M. C. A. conference. He also attended the meetings of the executive council of the International Council of Religious Education.

TWENTY YEARS AGO

Prof. N. A. Crawford, head of the Department of Industrial Journalism and Printing, was elected president of the Kansas Authors' club at the annual meeting in Topeka. J. W. Searson, formerly head of the Department of English, held the office for the two preceding years.

Joseph S. Montgomery, '07, was promoted to the position of general manager of the Central Cooperative Commission association of St. Paul.

Joseph B. Thoburn, '93, was secretary of the Oklahoma Historical society.

THIRTY YEARS AGO

Miss Sarah Hougham, '03, accepted a position as librarian in the University of Illinois.

Miss May Umberger, '07, was teaching domestic science in Puerto Rico.

F. H. Schreiner, '10, was employed by the Morgan Engineering company at Memphis, Tenn.

FORTY YEARS AGO

The February issue of the Popular Science Monthly contained an article on "Winged Reptiles" by Dr. S. W. Williston, '72, professor of paleontology in the University of Kansas.

President Nichols went to Topeka to attend an athletic convention called for the purpose of adopting a set of uniform rules to govern intercollegiate athletics. Seven colleges were represented at the meeting.

Among the editors attending the meeting of the editorial association were A. B. Kimball, '89, Journal, Scandia; C. A. Kimball, '93, Register, Courtland; F. J. Smith, '95, Reformer, Russell; W. C. Palmer, first-year student, 1881, Republican, Jewell City; E. W. Coldren, second-year student, 1901, Herald, Oberlin.

FIFTY YEARS AGO

M. A. Carleton, '87, was the newly elected assistant in botany.

F. A. Waugh, '91, declined an offer of the associate editorship of the American Agriculturist to continue his work in the agricultural department of the Kansas Weekly Capital.

S. L. Van Blarcom, '91, was assigned to permanent work in the mail service operating over the Santa Fe lines in Kansas.

SIXTY YEARS AGO

At the meeting of the Webster society the question, "Resolved, That

GRAD'S VISIT WITH OTHER ALUMNI STIRS MEMORIES OF PLEASANT DAYS ON CAMPUS

Editor's note: This account of a graduate's experience of attending an alumni meeting in California is a condensation of a report by Leon Surmelian, Ag. '41 (in absentia).

BY LEON SURMELIAN

I could hardly wait for this meeting. On Tuesday evening, December 2, I drove to the Hollywood Citizen-News building, where this get-together was to be held. I entered the auditorium in a state of extreme inner excitement, with a throbbing heart, even though outwardly calm and collected. I had never attended an alumni meeting before, and I was anxious to meet Mr. Ford and graduates and former students of an institution where I spent some of the most formative and fruitful years of my life and which has taken the color and quality of a sort of luminous dream in my memory, a dream of long ago, and almost of another world.

There were some thirty people in the auditorium already, and others kept coming. But, alas, I knew none of them. I anxiously looked at their faces, hoping to discover a familiar smile, a familiar gaze, for it was in 1925 that I had left the College, and I expected all the years that have passed since then to have altered the features and physical proportions of the students I used to know, as they had altered mine, no doubt. I shook hands with the lively, robust, red-faced president of our local chapter (Tony Whan), pinned a slip of paper with my name and the year of graduation on it, and went around the room exhibiting it to all. Presently I met Mr. Ford, who instantly impressed me as the ideal man for the job—nice, friendly, a bit sorrowful, dignified, and somehow the personification of Kansas.

'DON'T YOU REMEMBER'

Before long I noticed a young woman whose face did look familiar to me. I approached her, introduced myself.

"Don't you remember me?" I said. "You used to come to the stockroom window of the organic chemistry laboratory and buy chemicals from me. You were in Doctor Colver's class. I was the storekeeper."

She looked at me, doubtfully. "Yes, I think I remember you," she said, but not very convincingly. In fact, I was certain she didn't remember me at all. She was just being polite.

I named a few girls in her class. "Miss Farmer. She was a beautiful girl, had reddish brown hair. Miss Marybelle Sheetz, she had fine gray-blue eyes, a tall, lovely girl. Why, I used to tell your fortunes—by holding your hands! With Doctor Colver's permission, of course."

She remembered these girls, distinctly, and also remembered the boy who worked in the stockroom and told fortunes, but apparently could see no resemblance between myself and that imprudent hand-holding mumbo jumboist. Had I changed so much, I wondered? . . . But she herself had not changed much. I found her the same shy, retiring person. She had come to the meeting with her sister.

IVY-CLAD ANDERSON

Our lively president, who works for a packing company and had supplied the "eats," introduced Mr. Ford to some fifty people. Mr. Ford gave us the latest news from the Campus, and showed an interesting motion picture of campus scenes, which plunged me into memories . . . The ivy-clad Anderson hall, with its spire . . . Fairchild hall, where used to be the College library . . . Kedzie hall, which reminded me of Profs. N. A. Crawford, Charlie Rogers, Robert Conover, H. W. Davis, of the Quill club and its medieval initiation ceremonies . . . Nichols gymnasium . . . Auditorium, with its memories of the College choir and the programs of the music department . . . Chemistry annex, whose dim gaseous atmosphere was lighted for me by the gorgeous flaming beauty of a princess-like girl from Oklahoma, with whom

the present system of cooperation among the farmers is productive of more harm than good," was discussed by W. O. Thompson and F. A. Hutto on the affirmative, and E. J. Fairhurst and L. W. Call on the negative. The question was decided in favor of the negative.

Professors Shelton and Failer at-

I naturally fell secretly in love . . . Waters hall . . . Memorial stadium.

The beautiful campus was alive with crowds of students, hurrying along the macadamized roads, the boys hatless, the girls healthy and attractive, all carrying loads of books under their arms, and all with earnest faces aglow with all the inner raptures and ambitions of youth. Yes, once upon a time, I reflected, I too walked along these same roads, hurrying from one building to another to absorb all the knowledge which America and the great state of Kansas had so generously put at my disposal.

AN ACADEMIC PROCESSION

Here is a military review of the R. O. T. C. The cadets present arms to President Farrell and the commanding officers. President Farrell . . . I remembered my first day in college, when Dean Willard took me to Dean Farrell's office. I had just arrived from Constantinople, to study American methods of farming. Mr. Farrell made a great impression on me, though my English vocabulary was too limited to enable me to understand what he said. Tall, immaculately dressed, handsome, keen-eyed, he conformed to all my ideas of the historic Yankee type. He looked like the American consul-general in my home town, Trebizond, on the Black Sea, and that gentleman had all the might and glamor of an English "lord" . . . The more I observed and studied Dean, and afterwards President, Farrell, the more I respected and admired him. Some men affect us primarily by their personal example, the way they carry themselves, the way they look and talk, by some inner dignity, and not by what they actually do or say. Perhaps "Character" is the proper name for this quality. . . .

Here is an academic procession . . . Professors and students marching in their black caps and gowns, the latter holding their diplomas.

"There's Dean Willard," Mr. Ford said.

I looked sharply, and there he was, exactly the same Dean Willard I knew, not a day older. I have corresponded with him off and on ever since I left College, and I am deeply obligated to him. As vice-president of the College Dean Willard was in charge of foreign students, if I'm not mistaken. At any rate he took a personal interest in them, and especially in me, for I needed him the most. Today he is the College historian, but to those of us who knew him in earlier years, he is always Dean Willard, as much a part of the campus as any of its old, noble trees. . . .

NO 'GOOD-LOOKING' GIRLS

He has written the history of the College, and it occupies an honored position in my bookshelf, but some day I hope his former students would write a testimonial book about him, and bring together those enduring monuments he has left in their hearts. He excels in those little things in his relations with others, particularly those beneath him, which in the final analysis are the big things.

We had sandwiches and coffee, sang the College song—which can be better—and got acquainted with one another. By now I had become quite chummy with a nattily dressed young man, who looked very Hollywoodish in his sport clothes.

"I wish there were more young people here," he muttered out of a corner of his mouth. "Some good-looking girls—"

"Yeah," I said. "Where are the recent graduates? There must be quite a few of them in and around L. A. Meetings like this can be so much fun—with some good-looking girls."

We talked like two Hollywood bachelors, and both of us were a little disappointed and crestfallen as we left the Citizen-News auditorium and walked toward Sunset Boulevard.

RANGE OF INTEREST

A simple test to discover one's range of interest is to take up the daily paper and see if there is something of interest on every page: foreign news, national news, athletics,

KANSAS POETRY

Robert Conover, Editor

A MOON AND A BOUGH

By Ester L. Holcomb

Across the moon a long twig curves
With black leaves even-spaced.
We sit below in a net of shade—
Our fingers interlaced.

The long twig lifts and slowly falls
Before the luminous sky,
And shadows slide across our hands
As little winds slip by.

Our fingers tighten; we make no words,
For words are as nothing now:
It is autumn that moves across the moon
In the pattern of leaves on a bough;
It is fall and a thousand things besides
In the lift of leafy bough.

Ester L. Holcomb teaches speech and English in Dodge City Junior College. She was born and reared on a Kansas farm near Kansas City and received both her bachelor's and master's degrees from the University of Kansas. She has had poetry published in several anthologies and magazines and articles in the Kansas City Star, Chicago Tribune and English Journal.

SUNFLOWERS

By H. W. Davis

A POSSIBLE SOLUTION

As a parasitologist I have not yet achieved unusual fame, but I am enough of one to feel pretty sure that getting all the parasites out of Washington, D. C., is not going to be a picnic. And getting them spotted elsewhere will be a bigger problem than getting them out.

Personally, I shall be disinclined to harbor a parasite for the duration unless he is both very wealthy and foolishly generous. I might be induced to adopt some multimillionaire cookie cruncher, for instance, on a percentage basis, provided he is the quiet sort that doesn't spend all his time rattling on about his batting average in the social league and the number of cocktails he has downed here and there.

I want a parasite with a weak memory of teas, receptions, and notes due.

As I said, the big problem is not going to be shushing parasites across the borders of the District of Columbia into the much less glamorous commonwealth of the United States. Any bunch of policemen ought to be able to do that. The trouble will lie in parceling them out to the various states, cities, and dude ranches.

I'm glad I thought of dude ranches, for they may solve the problem.

Why wouldn't it be a dandy idea to scatter Washingtonians who neither toil nor spin nor live directly off the war effort to the bankrupt dude ranches now dotting the western badlands? There the lounge lizards can be turned out to graze and disintegrate. Those whom Nature refuses to absorb into her organic activities can be readily taken care of by coyotes, rattlesnakes, and dust unto dust, with no one the wiser nor unhappier.

Of course, the registering of parasites will be no snap, for some of the worst ones wear deucedly clever disguises from sun-up to sun-up. Only the most obvious ones can be spotted by an office holder, no matter what his rank. I believe the registration should be conducted by a battalion of Midwestern taxpayers whose eyesight is not a great deal better than it should be and whose human sympathy has gone with the wind.

A Midwestern commission would be inclined to interpret parasitism liberally, and bring many individuals into the "move-on" list who might escape the eye of a politician or dollar-a-year-and-worth-it man.

Something more than a lot of fun for editorial writers and column writers should come from the eviction. I certainly still hope I get my multimillionaire.

the theater, music, books, stock exchange, etc. If there is, the reader is very much alive. Not only does this mean richness and abundance of life and a continually enlarging curiosity, but it is the best form of insurance against old age and against all troubles that one must pass through. Even if one is unhappy one may find life interesting. The world today is in much worse condition than it was thirty years ago, but it is infinitely more interesting.—William Lyon Phelps in "Autobiography With Letters."

AMONG THE ALUMNI

Edward O. Sisson, B. S. '86, is professor emeritus of philosophy of Reed College, Portland, Ore. He has taught education and philosophy at the University of Illinois and the University of Washington, besides Reed College. He has been commissioner of education for Idaho and president of the University of Montana. Among his publications are "Essentials of Character" and "Educating for Freedom." He and Nellie (Stowell) Sisson now live at Star Route 1, Box 105, Bremerton, Wash.

B. M. Andrews, E. E. '16, is assistant district turbine inspector supervising the installation of turbines for General Electric Company, Atlanta, Ga. He has been there since 1927. He and Fae (Sarvis) Andrews have three children—Graydon, 17, Audrey, 15, and Ben, Jr., 11. They live at 33 Carter Avenue, S. E., Atlanta.

Trafford W. Bigger, M. E. '19, and Myrtle (Dickerhoof) Bigger, f. s. '19, visited Manhattan in the fall when their son Loren, enrolled as a freshman in business administration. Their home is 1317 Regal Avenue, Schenectady, N. Y., where Mr. Bigger is in the turbine department of General Electric Company.

Earl F. Burk, Ag. '22, and Helen (Ferguson) Burk, f. s. '22, write that their address has been 742 Chelsea Avenue, Columbus, Ohio, for nearly six months. Mr. Burk now is in the processed foods department of the Agricultural Marketing Service, U. S. D. A. He was formerly assistant professor of horticulture at Oklahoma A. and M. College, Stillwater.

Harry C. Jennings, M. E. '23, writes, "My wife and I recently attended a service club banquet in Santa Monica, and the able speaker for the evening was none other than our genial Tony Whan, '22, president of the Kansas State Alumni Association of Southern California. I never knew a man from Kansas State College could talk so fast. His new publication, "The Wildcat's Yowl," is an extra treat for us in Southern California." The Jennings live at 1208 South Bundy Drive, Los Angeles. Mr. Jennings' business is Everest and Jennings, Automobile Folding Wheel Chairs.

W. J. Blanchard, G. S. '24, has been made general manager of "Aero-products" division, General Motors Corporation, whose new plant at Dayton, Ohio, is manufacturing hydraulics, variable pitch propellers for G. M.'s Allison airplane motors. Blanchard was with the Curtiss-Wright plant for five years, where he worked on hubs and propellers. He developed the propeller now being made by Aeroproducts, and sold manufacturing rights on it to General Motors, who erected the new factory and made Blanchard its general manager. He and Mrs. Blanchard live at 422 East Drive, Dayton.

J. Alex Munro, M. S. '25, is studying in the department of entomology at Cornell University, Ithaca, N. Y. He will receive his Ph. D. in May, after which he and Mrs. Munro will return to Fargo, N. D., where he is head of the department of entomology at North Dakota State College.

Mabel R. Smith, H. E. '26, has been named home economist with the National Committee on Boys and Girls 4-H Club Work, Chicago. She will serve the committee as consultant on home economics matters and also as manager of the 4-H supply department. She has been home demonstration agent in Crawford county, Kansas, following which she served as assistant state 4-H club leader in the Extension Division at Kansas State College for 10 years. While in this position, she served as faculty adviser of Clovia, the College 4-H girls sorority.

Glenn A. Kirk, M. E. '27, is a gas engineer, and lives at Route 3, Dixon, Ill.

Albert M. Young, E. E. '28, is located at Springfield, Ill., with the Central Illinois Public Service company as assistant to the vice-president and in charge of power sales. He and Mrs. Young live at 2101 South Sixth, Springfield.

Ruth (Bowman) Reeves, H. E. '28, writes that she is still at Woodston, Kan., where she formerly taught. Her husband, Orval Reeves, owns and operates the Ford garage there. They

have a daughter, Kathryn Mae, who will be 2 in May.

Edgar L. Barger, Ag. E. '29, M. S. '34, is head of the agricultural engineering department at the University of Arkansas College of Agriculture. He went to that position this year from his work as associate professor of agricultural engineering at Kansas State College for the past three years. He had been a member of the faculty here since 1930. He and Carolyn (Grantham) Barger, now live in Fayetteville.

Edris W. Rector, Com. '31, M. S. '32, and Ethel (Bellis) Rector, H. E. '36, live at 1125 Ashland Avenue, Evanston, Ill. Mr. Rector is manager of the Consumers' Cooperative Association there. He was formerly auditor of the association and located in Chicago.

Donald P. Brenz, M. E. '32, was transferred in December from Alton, Ill., to New York City, to the head offices of the Shell refinery. Mr. Brenz and Sara (Lapsley) Brenz have a baby daughter and live at 2148 78th Street, Jackson Heights, New York.

Kermit R. Huyck, Ag. '32, and Ferne (Glover) Huyck, '32, live at Prosser, Neb. Mr. Huyck recently sent in a news blank and wrote, "I am owner and manager of the grain elevators at Hayland and Prosser, Neb. I also have a small hardware store here at Prosser."

"Mrs. Huyck and I adopted two children a year ago—Judy Kay, who is now 6 years, and Kermit Van, who is 22 months."

Arlie E. Paige, E. E. '33, and Julia (Davis) Paige, '34, are at 61 Brooklea Drive, Rochester, N. Y. Mr. Paige visited at the college recently. He is inspector for the army air corps in administrative procurement.

Lt. James W. Hunter, Ag. '33, M. S. '35, and Eva (Morrison) Hunter, f. s., are in Arizona. Lieutenant Hunter is on active duty with the 25th Infantry at Fort Huachuca, Ariz. They visited Manhattan when he was on leave during October.

Allen R. Wilson, Com. '34, is supervisor in the research department of Parke, Davis and Company, Detroit. He is in charge of supplies, maintenance, and personnel. The Wilsons live at 1308 Vernier Road, Grosse Pointe Woods, Mich.

Henry N. Luebcke, Ag. E. '34, is junior civil engineer with the Soil Conservation Service, C. C. C., Washington, Ind.

Harold P. Walker, Ag. '35, was a representative of Kansas State College at the inauguration of President Melby, Montana State University, Missoula. Mr. Walker works in the office of the Anaconda Sales company. He lives at 505 Oak, Anaconda, Mont.

Wilbur O. Creighton, Arch. E. '36, writes, "I am now employed as an assistant naval architect by the Consolidated Steel corporation in Orange, Texas. Since arriving here in January from the Pacific Northwest I have been teaching theoretical naval architecture part of the time to a group of young fellows who have a minimum of two years of engineering training in college—some are grads. Was too busy and too far away to get to the alumni reunion at the close of last year."

Clarence O. Banta, M. S. '37, vocational agriculture teacher in the Ottawa high school more than nineteen years, resigned to become dean of the vocational department at Trinidad State Junior College, Trinidad, Colo.

Charles P. Olomon, Ag. '38, is fieldman for the agricultural department of the Holly Sugar corporation of Torrington, Wyo. He and Norma (Snyder) Olomon are located at Hawk Springs. He writes, "I have completed my second year in Wyoming and the sugar business. Must say that I like them both."

Dr. Donald E. Rodabaugh, D. V. M. '39, has resigned his position with the United States Bureau of Animal Industry and has accepted one with the Department of Veterinary Science, University of Missouri, Columbia.

Dr. R. A. Leeper, D. V. M. '40, and Miriam (Wagman) Leeper, f. s. '40, and their daughter, Diann, came through Manhattan in December on their way to their new home in Berkeley, Calif., where Mr. Leeper has accepted a position with the Cutter laboratories. Their address in Berkeley is 2726 Garber Street.

LOOKING AROUND

KENNEY L. FORD

There will always be a Kansas State College Alumni Association. There will always be a large group of former students and graduates who will freely give of their time and money to their Alma Mater. They give because they love to do so. They love Kansas State for what she is, for what she has meant to them, and for what she will mean to many in the future.

One of the tangible ways of expressing affection for Kansas State is the life membership in the Alumni Association. Alumni pay \$50 into the Alumni Loan Fund to aid students and in turn receive THE INDUSTRIALIST for life.

The following have become paid-up life members since October 1: John M. Ferguson, '34, Manhattan; Katrina Eskeldson, '31, Hiawatha; Autumn Fields, '41, Smith Center; Dwight Patton, '23, Stafford; Harold P. Walker, '35, Anaconda, Mont.; Allen G. Phillips, '07, Chicago; Howard R. Stover, '39, Whiting, Ind.; W. J. Welker, '24, San Luis Obispo, Calif.; Grayson E. Murphy, '40, Mandan, N. D.; Myrtle M. Morris, '36, Brighton, Mass.; Hubert W. Clutter, '33, Holcomb, Kan.; Richard K. Dickens, '31, Kansas City, Mo.; J. C. Devault, '41, Aberdeen, Md.; L. A. Peck, '31, Osborne, Kan.; Lt. John D. Dietrich, '39, San Juan, Porto Rico; Charles H. Olson, '38, Minneapolis, Kan.; Achsa (Johnson) Sykes, '26, Amarillo, Texas; C. Wilson Blackburn, '41, Bartlesville, Okla.; Harry E. Hershey, '10, Chicago; Mac Short, '22, and Mae (Siefkin) Short, f. s. '21, Glendale, Calif.; Daniel G. Lynch, '24, Walnut Creek, Calif.; Ebur Schultz, '32, Chanute, Kan.; Pauline Kennett, '12, Columbus, Ohio; Ray L. Smith, '24, Houston, Texas; Sarah Helen Roberts, '28, Rockville, Conn.; Daphne (Smith) Cauble, '32, Louisville, Ky.; Emma Shepek, '32, St. Paul, Minn.; and Ralph L. Gross, '40, Stockton, Kan.

There are now 1,107 paid-up life members in the Alumni Association and each has been presented by the College with a free copy of Doctor Willard's "History of Kansas State College."

MARRIAGES

AVERY—GRIFFING

Ethel Avery, H. E. '40, and Leo Griffing, f. s., were married Saturday, December 27, in Chicago, Ill. Their address now is 719 East 84th Street, Chicago.

McCROSKY—KRUMSICK

Mary McCroskey, H. E. '31, and Damon L. Krumstick were married Sunday, December 21, in Manhattan. The couple are at home at 1260 Mulvane, Topeka.

NIXON—CATHCART

Lucy E. Nixon, H. E. '33, and R. Boyd Cathcart, Ag. '33, were married January 1, 1942, and are now living at 1639 Laramie, Manhattan. Mr. Cathcart has his master's degree from the University of Nebraska and is assistant professor in animal husbandry at Kansas State College.

KENSLER—OBENLAND

Anita Kensler, H. E. '39, and Clayton Obenland, I. Chem. '35, were united in marriage November 8 in the Obenland home in Manhattan. They are at home in St. Louis, where Mr. Obenland has a position with Monsanto Chemical Company. Mrs. Obenland has been employed as dietitian at the Baylor University hospital, Dallas.

BROWN—MAICHEL

The marriage of Meta Brown to George B. Maichel, Jr., D. V. M. '38, took place December 20, 1941, in the Perry Methodist church. The bride is a graduate of Washburn College and a member of Zeta Tau Alpha sorority. Lt. Maichel, a member of Beta Theta Pi fraternity, is stationed with the Ninth Cavalry Veterinary Corps in Camp Funston, Ft. Riley, Kan. He and his bride live in Manhattan.

NICHOLSON—BERKEY

The marriage of Mary Jane Nicholson and Donald D. Berkey, Com. '39, took place November 15 in the Westminster Presbyterian church, Topeka. The bride is a graduate of the American Conservatory of Music in Chicago, and studied voice at the Juilliard School of Music in New York City.

Mr. Berkey is employed in the paymaster's department of the Santa Fe. Their home is at 815 Western, Topeka.

BAXTER—ROBERTSON

Virginia Faye Baxter, H. E. '39, and Joseph E. Robertson, Mill. Ind. '40, were married November 23 in the First Methodist church, Manhattan. The bride was a member of Dynamis, all-school honorary organization, and Pi Beta Phi social sorority. After graduation, she was a technician at the Mayo clinic in Rochester, Minn., returning after one year to a position as technician at Kansas State College. Mr. Robertson is a member of Phi Delta Theta social fraternity, Dynamis, Blue Key, senior men's honorary, Alpha Zeta, Alpha Mu, and Gamma Sigma Delta, honorary organizations in the Division of Agriculture. He was the outstanding Phi Kappa Phi student in the Division of Agriculture his senior year, played basketball on the College team three years and was a member of the Royal Purple staff his last two years. They are at home at Brownstown, Ind., where Mr. Robertson is a milling chemist.

DEATHS

SORENSEN

Frederick J. Sorensen, Arch. E. '35, died November 29 of a kidney ailment. He had been employed by the J. C. Nichols company, Kansas City, Mo., as architectural draftsman and lived at 2815 Wood avenue, Kansas City, Mo. He is survived by his widow, father, three brothers and two sisters.

TULLOSS

William G. Tulloss, B. S. '99, banker and farmer of Rantoul, died December 1 in the Ransom Memorial hospital of the effects of a heart attack suffered in Kansas City, November 12. Mr. Tulloss was stricken in the stockyards in Kansas City, removed to a hotel there and later brought to the hospital where he had been since.

DUREN J. H. WARD, Ph. D.

Word has been received of the death of Dr. Duren J. H. Ward. This took place January 23, 1942, at his home in Denver, Colo., after two days of illness following a heart attack. The Denver Post the next day gave a column to a review of his life and work. This was accompanied by a portrait which showed that he had changed greatly since 1898-99 when he was professor of English language and literature in Kansas State College. At his death he was in the ninety-first year of his age.

Doctor Ward came to this College as the successor to Prof. O. E. Olin, who was one of the best-loved professors that the College has ever had, but by his kindly, helpful nature, and the amplitude of his education he took up the work without any professional or personal difficulty. He came to the faculty at the beginning of the second year of the two-year administration of Pres. Thomas E. Will. This was when the political temperature was very high, and Doctor Ward suffered on that account. At the end of the year he was one of the five faculty members whose services were dispensed with.

While Doctor Ward was with the College he contributed scholarly articles to THE INDUSTRIALIST which was then being issued as a monthly magazine. Unfortunately for him, his liberality of view aroused sectarian antagonisms. These were fortified by the allegation that he spent time in his classes advocating his views upon subjects only remotely connected with his legitimate field of instruction. These features of his work were probably the chief points which led to his dismissal.

Doctor Ward had served as a Unitarian preacher before coming to the College, and re-entered pastoral work after leaving. In 1909, he settled in Denver and for five years edited and published a liberal magazine named Up the Divide. He was a prolific writer in the fields of history, anthropology, sociology, philosophy and religion. The Post states that "his was the first plan to give to future ages an authentic day by day record of this era by entombing topical records for a century or so."

"At Fairmount cemetery, in a crypt, he established the Far Reaching Foundation from which ages hence people will learn how people of the twentieth century lived."

—J. T. Willard.

RECENT HAPPENINGS ON THE HILL

Monday found Kansas State College students lined before the window opposite the College postoffice in Anderson hall waiting to get their fall semester grades.

The first program of a series of radio broadcasts by the Department of Music was presented by Miss Alice Jefferson and Miss Clarice Painter last Friday at 4:30 over the College radio station, KSAC.

A. L. Clapp, associate professor in the Department of Agronomy, was re-elected secretary-treasurer of the Kansas Crop Improvement association in a meeting of the organization last week. Dr. H. H. Laude, professor in agronomy, was elected assistant secretary.

Defense savings stamps are now available at the College postoffice for Kansas State College students. Pres. F. D. Farrell approved the plan of selling stamps at the College postoffice as a way in which the College could cooperate in the national defense program.

Newly elected officers of the Kansas Council of Women which met in Topeka January 30 include Mrs. Lucile Rust, professor in the Department of Education, as recording secretary. Mrs. G. W. West, McPherson, succeeded Miss Emma Hyde, associate professor in the Department of Mathematics, as president.

Plans for the March issue of the Kansas State Engineer indicate it as the largest ever to be published by the Division of Engineering and Architecture. Full-color illustrations will be on the cover. It will contain a center spread of Engineering hall and pictures and features on the 1942 Engineers' Open House set for March 13 and 14.

A chapter of the Association of Women Students may be formed on the Kansas State College campus within the next year if Mortar Board and Prix, senior and junior women's honorary organizations, continue to find women students desiring one. In an assembly Monday 110 women signed a statement saying they believed an A. W. S. on this campus was desirable.

BIRTHS

Albert B. Green, I. C. '33, and Dorothy (Pandres) Green are parents of a daughter, Barbara Mae, born November 7, 1941. Mr. Green is consulting chemist, Dallas Labs. Their home address is 5634 Elsworth, Dallas.

Clay Reppert, I. J. '34, and Lewida (Richards) Reppert, f. s., are parents of a son, John Clayton, born Tuesday, September 16, at Anna, Ill. They live at Anna, where Mr. Reppert is owner and editor of the Anna Democrat.

Dr. R. H. Hughes, G. S. '33, and Marie (Musledia) Hughes have a daughter, Virginia Marie, born November 17, 1941. Doctor Hughes is one of the doctors in the Student Health Department at Kansas State College. They live at 831 Vattier, Manhattan.

Ebur Schultz, Ag. '32, and Opal (Porter) Schultz, H. E. '31, are parents of a son, John Gregory, born November 25. They have two older sons, Billy, 5, and Dicky, 3. Mr. Schultz is field representative for the Warren Mortgage Co., Emporia, Kan. Their home is 520 W. 7th, Chanute.

Francis J. Perrier, M. E. '34, and Alice (Barrier) Perrier, H. E. '36, have named their boy, born November 22, Charles Loy. Mr. Perrier had his physical examination December 3, and the family will move soon to El Paso, as he is on duty as 1st lieutenant with the 63rd Coast Artillery, Ft. Bliss, Texas.

Verne O. Clements, E. E. '24, and Sylvia (Shields) Clements, f. s., announce the arrival of Joseph Eugene on August 12, 1941, at their home in 2034 Norfolk, Houston, Texas. Their other children are Richard, 15, and Barbara Lee, 8. Mr. Clements is sales engineer with Westinghouse Electric and Manufacturing Company.

NAMES EISENHOWER ASSOCIATE DIRECTOR OF EXTENSION WORK

COLLEGE ALUMNUS TO HIGH POST
IN U. S. D. A.

Will Continue to Direct Office of Land
Use Coordination—Takes Over in
Troubled Time for
Department

Milton S. Eisenhower, I. J. '24, federal land use coordinator, has been appointed associate director of extension work, it has been announced by the office of Secretary Wickard of the U. S. Department of Agriculture.

Eisenhower went to the agriculture department on a civil service appointment in 1926, leaving the post of vice consul in Edinburgh, Scotland.

PROGRAM COORDINATOR

During his nearly 16 years of service for the department, says the Extension Service Review, he has been "an indefatigable worker in the interest of agriculture, particularly in the realm of public relations, program coordination, information, and the simplification of administrative processes."

The Kansas State grad was appointed assistant to the secretary of agriculture in 1926 and was made director of information for the department in 1928. In that year he helped establish the Farm and Home Radio Hour. Since 1937, he has been federal land use coordinator.

M. L. Wilson, director of extension work, says of Eisenhower's appointment:

WILL HOLD PRESENT JOB

"He comes to us at a time when our organization, with its vastly increased war responsibilities and multiplied relationships, has great need for the qualities of leadership, intense industry, organization, and steadfast adherence to sound principles that have characterized his work in the Department.

"Mr. Eisenhower will continue to direct the Office of Land Use Coordination, which he organized at the direction of the secretary, and will give ample amounts of his time to help me in the general administrative work of the Extension Service and in its relationship to the entire war agricultural program. As associate director, he will greatly strengthen the Washington extension front during the hard war months that lie ahead."

FARMERS SHOULD TEST SOYBEAN, FLAX SEED FOR GERMINATION, SAYS EXPERT

Viability Lower than Normal this Year,
Reports Director of State Laboratory at Kansas State

Because of the fact that the germination of flax and soybean seed is "below normal" this year, J. W. Zahnley, director of the State Seed Laboratory here, advises all farmers planning to plant those spring crops to test their seed for germination.

"The viability of soybean seed this year has averaged 82 per cent as compared with 88 per cent last year," Zahnley said. "Four lots of seed tested recently germinated below 50 per cent, which emphasizes the advisability of testing so that lots unfit for planting may be eliminated."

The seed laboratory has also found that the germination of flax seed is particularly low this year. Tests on 65 samples, Zahnley said, show that one-tenth of the lots test below 50 per cent and that the average germination is 82 per cent, compared with 91 per cent last year and an average of 90 per cent for the last two years.

"The state seed laboratory will be glad to test seed samples for germination," Zahnley said, "but because we now are operating at a 'peak' load, we can't get the results of the tests back in the usual time." Many vocational agriculture classes in the high schools offer free seed testing, Zahnley said, and farmers may also test their seed at home. The State Board of Agriculture has available a "Seed Testing Primer" which will be sent free to anyone wanting instructions on seed testing. This booklet may be obtained from the office of the secretary of the board of agriculture, Topeka.

I. S. U. Plans Weekly Dances

Weekly dances beginning Wednesday, from 7 to 8 p. m., are included in this semester's plan of activity for the Independent Student Union, according to Adzianna Blochlinger, Concordia, secretary of the I. S. U.

FARM LAYING FLOCK WILL BE PROFITABLE ENOUGH IN 1942 TO MERIT HEAVY CHORES

By FRANK S. BURSON

Marketing Economist, Kansas State
College Extension Service

The present poultry and egg situation makes it appear that the laying flock will make a sizeable contribution to the total farm income in 1942. Farm families should find it highly profitable to spend enough time at "chores" tending the poultry flock to obtain maximum egg production.

The favorable outlook for the laying flock should materialize as a result of the following factors: (1) Strong consumptive demand for eggs, due to increased wage payments to consumers; (2) governmental purchases of eggs for lend lease; and (3) price support for eggs at 85 per cent of parity.

The present strong demand for eggs and other food products will be accentuated in 1942 because of limited quantities of many durable goods, thereby allowing more income to be diverted to food products. In

1941, the quantities of shell, dried, and frozen eggs purchased by the Department of Agriculture were equivalent to about 8 million cases. Purchases in 1942 for lend-lease purposes will likely be substantially larger than in 1941, which will drain off a very substantial part of the anticipated increase in total egg production. The price support for eggs at 85 per cent of parity has been extended to June 30, 1943, according to a recent announcement by the United States Department of Agriculture.

With all of the above factors in the picture, laying flocks should be a profitable portion of the farm business in Kansas during 1942. Kansas farmers who give careful attention to the poultry flock in 1942 should not only show financial gains in their own business, but at the same time will be making a valuable contribution to one of the food products needed during the present emergency.

PLAN NEW COMMERCIAL AND LIBRARY COURSES FOR 1942 SUMMER SCHOOL

Shorthand, Typing and Library Science
Units Will Be Added, Announces Holton

New courses in shorthand and typing and library science will be offered for college credit in the Kansas State College summer school, beginning this summer, it was announced today by Prof. E. L. Holton, head of the Department of Education and dean of the summer school.

The decision to offer the new courses came partly as a result of recent rulings by the Kansas State Board of Education, and partly in order to fill a need outside schools. The state board has decided that at least one member of the faculty of every Class A and Class B high school in Kansas must have eight semester hours of college credit in library science, beginning September, 1943. There are about 525 such high schools in the state, and "very few teachers," explained Dean Holton, "are prepared to meet the state board's requirements."

The library science subjects to be offered are School Library Management and Book Selection, three hours; Reference, three hours; and Classification and Cataloguing, two hours. Prospective high school teacher-librarians will be urged to take the eight hours' work as a single unit in one summer session. The number of class members probably will be limited to ten or twelve, library directors indicated, and only students of senior or graduate standing will be admitted.

Dr. W. E. Grimes, head of the Department of Economics and Sociology, in which the new secretarial courses will be offered, said that a two- and a three-hour course would be taught in both shorthand and typing, one of which units will be the beginning and the other the advanced course. No limit on the number who may take the secretarial courses is contemplated. It is believed that many persons other than teachers will take the work, in view of the demand for stenographers and secretaries in defense industries and government offices.

DURLAND TO DIRECTORS' BOARD OF KANSAS ENGINEERING GROUP

Professors Hill and Conrad Also Attend
Convention of Society

M. A. Durland, assistant dean of the Division of Engineering and Architecture, was elected to the board of directors of the Kansas Engineering society at its thirty-third annual convention in Salina last week.

Others from Kansas State College who attended the convention were Prof. Howard T. Hill, head of the Department of Public Speaking, and L. E. Conrad, dean of the Division of Engineering and Architecture.

Attend Meeting in Topeka

Prof. Ada Rice of the Department of English and Miss Jessie Machir, registrar at the College, attended the annual meeting of the Kansas Dinner club at the Jayhawk hotel in Topeka last Thursday evening. The Kansas Dinner club for women educators in the state corresponds to the Schoolmasters' club for the men educators.

FARM AND HOME WEEK PROGRAMS HOLD INTEREST OF RURAL FOLK

(Continued from page one)

Gerald Gordon, Troy, old member of executive committee; Edward W. Kaiser, Paola, new member of executive committee; H. W. Avery, '91, Wakefield, delegate to state board of agriculture meeting; Ed Visser, Riley, alternate delegate.

BREEDERS' GROUPS ELECT

Officers of six breeders' associations were elected during Farm and Home Week. Phil Ljungdahl, '36, Cottonwood Falls, was elected president of the Kansas Aberdeen-Angus association; E. L. Barrier, Eureka, vice-president; and Ralph Munson, '32, Junction City, secretary-treasurer.

James G. Tomson of Wakarusa is the new president of Kansas Short-horn Breeders' association; Alford Tasker of Delphos, vice-president; and Prof. A. D. Weber of the College Department of Animal Husbandry, secretary-treasurer.

T. Hobard McVay, Nickerson, was named president of the Holstein-Friesian association; Harry Burger, Seneca, vice-president; G. G. Meyer, Basehor, secretary-treasurer; and Glen Sewell, Sabetha, director-at-large.

President of the Kansas Guernsey Breeders' association is W. G. Ransom, Jr., '37, Homewood; Ballard Bennett, Manhattan, is secretary-treasurer; and Ray Dillard, Salina, vice-president.

Marion Velthoen, Manhattan, is president of the Kansas Ayrshire club; Harry Bauer, Broughton, vice-president; and Mrs. John Keas, f. s. '27, Effingham, secretary-treasurer.

The Kansas Brown Swiss Breeders' association elected Marion Beal, Danville, president; Paul Orton, Sedan, vice-president; and H. W. Westmeyer, Anthony, secretary-treasurer.

Mrs. Arthur Peine Heads A. A. U. W.

The American Association of University Women elected Mrs. Arthur Peine, Manhattan, president and Miss Esther Cormany, associate professor in the Department of Clothing and Textiles, secretary in its February meeting in Recreation Center Saturday.

Wagner Visits Campus

George B. Wagner, G. S. '29, now an entomologist for the American Association of Millers in Chicago, visited the Department of Entomology last Thursday. Wagner is engaged in studying the control of insects infesting stored grains and milled products. From the time he was graduated till the fall of 1941, he was connected with the Federal Bureau of Entomology.

COLLEGE POSTOFFICE BEGINS SALE OF U. S. DEFENSE SAVINGS STAMPS

Suggestion for Program Comes from
Community Chest Committee

The College postoffice has begun the sale of defense savings stamps, it has been announced by Dr. S. A. Nock, vice-president, under whose administration the postoffice operates.

Doctor Nock revealed that the suggestion for sale of the stamps had come from the Community Chest committee, of which Prof. Fred L. Parrish of the Department of History and Government is chairman, and that Pres. F. D. Farrell had approved the plan as another in which the College could cooperate in the national defense program.

The demand for the stamps at the College postoffice has "not been exactly overwhelming," reported the clerks in the office, "but we expect business to pick up when the students learn they are on sale here." The sale has been under way only a few days.

LAVERNE NOYES SCHOLARSHIP AWARDS TO TWENTY-FOUR K-STATE STUDENTS

Direct Descendants of World War Veterans
Chosen on Basis of Need
and Record of Study

Twenty-four students at Kansas State College received LaVerne Noyes scholarship awards of \$25 each for the 1942 spring semester, according to L. E. Conrad, chairman of the LaVerne Noyes scholarship committee and acting dean of the Division of Engineering and Architecture.

Those who received the scholarships are: Dale Knight, Manhattan; Donald Lee Timma, Manhattan; George Hetland, Jr., Manhattan; Helen J. Carlson, Randall; Donald L. Harr, Dunlap; Marjorie Dexter, Washington; Rex Pruett, Culver; Neil Thompson, Manhattan; Mary Margaret Bishop, Haddam; Charles Schwab, Manhattan; Edward Kirkham, Topeka; Leon Findley, Kiowa; William Meredith, Lincoln; Alma Proudft, Manhattan; Nina Ringwalt, Oakley; Richard Moore Keith, Manhattan; Harold Root, Chapman; Margaret Nickerson, Bushton; John A. Crabb, Topeka; Lois Mace, Willis; Mary Stahl, Wichita; Betty Poland, Manhattan; Freda Mumaw, Onaga; Cecil Eyestone, Leavenworth; and Samuel J. Rogers, Horton.

The LaVerne Noyes scholarships are awarded each year to direct descendants of World War I veterans who served for a period of not less than six months prior to November 11, 1918, or served overseas prior to that date, in the army, navy or marine corps of the United States, and were honorably discharged, or to World War veterans themselves who served in the army under these same specifications. Students from the eligible list are selected on the basis of need and previous scholarship record.

KANSAS STATE WILDCATS DEFER TO CYCLONES IN HEARTBREAKER

EDGED OUT, 44-43, IN CLOSING SECONDS OF GAME

Horacek Scores 18 Points for High
Honors in Encounter against Iowa
State College in Nichols
Gymnasium

Successfully stemming a last-half rally which cost them an earlier lead, the Iowa State Cyclones staged a comeback in Nichols Gymnasium Monday night and edged out a close victory over the Kansas State quintet, 44-43.

With the score tied at 43-43, George Harville, Iowa guard, took advantage of a foul by John Bortka, K-State forward from Kansas City, and slipped in the reckoning charity toss with 20 seconds left in the game.

WILDCATS OPEN SCORING

Jack Horacek, senior forward from Topeka, did most of the Wildcat scoring Monday night as he connected with the hoop for seven field goals and four free throws. Carol Schneider, lanky Cyclone guard, scored 10 of the Iowa State points for high scoring honors on the visiting team.

The K-Staters started the scoring early in the game when Horacek dropped in the initial bucket on a set-up from the tip-off. The Wildcats ran the score to 7-1 before the Iowans began to score. Midway in the period, the Cyclones pulled into the lead which they still held at half-time, 26-23.

A DECIDING FREE THROW

At the 10-minute mark in the second period the K-Staters had overtaken the Cyclones and had knotted the score at 34-34. Then two baskets by the Wildcats gave them a 41-36 lead with two minutes left to play.

The Cyclones rallied their forces for a last minute attempt and tied the score at 42-42. A free throw for each team gave a 43-43 tie, then Bortka fouled Harville with 20 seconds. Harville's charity toss was good and the Cyclones were victors.

THREE RESIGNATIONS FROM FACULTY ANNOUNCED BY PRESIDENT FARRELL

Cornelius E. Rogers to Graduate Assistantship in Department of
Entomology

Three resignations and one appointment were included in the list of faculty changes released recently by Pres. F. D. Farrell following approval of the State Board of Regents.

The three resignations include: Ralph Fearn, instructor in the Department of Mechanical Engineering, effective January 27; Leonard B. Harden, assistant professor of agricultural economics in the Division of Extension, effective February 28; and Mildred Hoss, part-time graduate assistant in the Department of Institutional Management, effective January 31.

Effective January 26, Cornelius R. Rogers was employed as part-time graduate assistant in the Department of Entomology to succeed O. E. Wenger.

STUDENTS ARE FINGERPRINTED BUT NOT TAKEN INTO CUSTODY

It's All Done So F. B. I. Can Build
Identification Files

Fingerprints of all interested Kansas State College students were taken Tuesday and Wednesday in Recreation Center by the Manhattan city police and Kansas Bureau of Investigation.

The project was sponsored by the local chapter of Alpha Phi Omega, national honorary service fraternity, in cooperation with a nationwide program encouraged by J. Edgar Hoover, director of the Federal Bureau of Investigation.

The program is being carried out in an effort to build up the civilian identification files of the F. B. I. in Washington, D. C. Recording of fingerprints was entirely voluntary on the part of students.

Sculptor Here Thursday

Alec Miller, English sculptor, will speak on "Tendencies in Modern Sculpture" at a meeting at 4 p. m. in Willard hall Thursday, February 19. The meeting is sponsored by the American Institute of Architecture. Miller will also speak at a Manhattan Town Hall meeting that day at 8 p. m. on "A Sculptor's View of History from Egypt to the Twentieth Century."

EVERYDAY ECONOMICS

By W. E. GRIMES

"What direction will the transportation routes of the future take?"

Early transportation routes followed the waterways. Much of the transportation was water-borne. Following the waterways was the easiest way of overcoming the obstacles to traversing the earth.

Later transportation routes tended to leave the waterways as man devised ways of overcoming the resistance of the land and its covering. However, these routes tended to be from east to west or west to east so that they stayed within regions of comparatively little variation in temperatures. They avoided the frozen north and the torrid tropics. The power propelling transportation facilities worked best when temperatures were not too extreme. Also, as long as man stayed on the solid surface of the earth, snows and ice were

a barrier to be avoided or overcome.

Air-borne traffic overcomes some of these obstacles. Snow and ice on the surface of the ground are less of a barrier to air-borne traffic. Extremes of temperature may affect the airplane less, except when the temperature is near the freezing point and there is danger of ice on the wings of the plane.

As the transportation routes of the past developed, they helped to mold the history of the times. What direction will the transportation routes of the future take? Will they go east and west, north and south, or in all directions? What will they do to human relations? The history of the future will record these relations. What will they be?

THE KANSAS INDUSTRIALIST

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Number 18

KANSAS STATE ENGINEERS BUILD OPEN HOUSE ON DEFENSE THEME

MANAGERS PLAN TOUR OF STATE TO BOOST SHOW

Larry Spear, Senior from Mission, is Director of Exposition; Leon Findley, Junior of Kiowa, Serves as Secretary

The 22nd Engineers' Open House, an annual exposition sponsored by students of the Division of Engineering and Architecture at Kansas State College, has been planned for March 13 and 14. The theme of the 1942 affair, according to Bill Bixler, a junior in mechanical engineering from Emporia and publicity chairman for the exposition, is "1917-1942—25 Years of Defense Effort."

Larry Spear, Mission, a senior in mechanical engineering, is director of the show this year, and Leon Findley, Kiowa, a junior in electrical engineering, is secretary.

PLAN STATEWIDE TOUR

Beginning March 2, three students from the division will make a five-day publicity tour of Kansas towns, speaking, giving demonstrations and displaying exhibits before high schools and science clubs, and conducting radio programs. The exposition last year drew 12,000 visitors to the Kansas State College campus.

Those who will make the tour are Jack Warner, Clay Center, a senior in electrical engineering; Max Gelwix, a junior in civil engineering from Thayer; and Vern Heinsohn, of Wichita, a junior in mechanical engineering.

WILL BLOW WHISTLE

Exhibitions sponsored by the larger industrial concerns, usually a large part of the show, will be fewer this year because of the war. Original displays and demonstrations developed around the central theme by the students will replace the industrial exhibits.

The opening of the exhibits of the Open House to the public at 6:30 p. m., March 13, will be accompanied by a half-minute blast of the whistle at the College powerhouse. Exhibits will be open until 11 p. m. Friday evening and will be open Saturday from 1 until 5 p. m.

FRUIT GROWERS MAY OBTAIN LOANS FOR REHABILITATION

Funds Are Available to Cover Damages Occurring During Icy November of 1940

Kansas orchardists can obtain loans provided for by Congress recently in an appropriation measure for the purpose of rehabilitating orchards destroyed or damaged as a result of the extreme cold weather of November, 1940, according to information received by Dr. William F. Pickett, head of the Department of Horticulture, from the Farm Credit Administration, Washington, D. C. The act appropriates \$1,000,000 to be loaned for the purpose of enabling the borrowers to rehabilitate damaged orchards in the states of Kansas, Missouri, Nebraska, and Iowa.

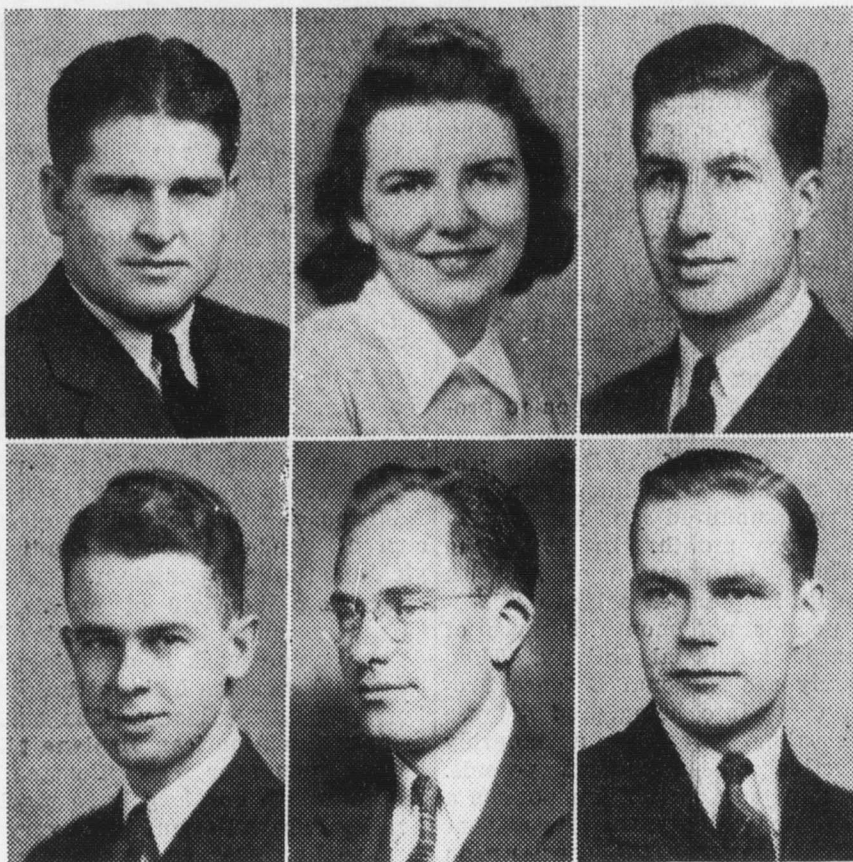
Losses in Kansas apple orchards have been estimated at greater than 60 per cent, and damage to the less hardy peach and cherry orchards at an even higher figure.

All persons interested in this loan and desiring more information should notify, without delay, Doctor Pickett and Mr. John T. Ashford, Manager, Emergency Crop and Feed Loan Office, Farm Credit Administration, Omaha, Neb.

Y-Orpheum March 6 and 7

The twenty-second annual YMCA Y-Orpheum stunt program is scheduled for March 6 and 7. Two gold trophies now on display in the Canteen will be given as prizes. Six entries have been made in the competitive acts, and tryouts will be held next Thursday. Norman C. Webster, assistant professor in the Department of Public Speaking, is director of the program. William West is the business manager.

Representative at Kansas State



The five men and one woman shown above have been chosen as representative students of their divisions at Kansas State College. They were honored at the Achievement Banquet during Farm and Home Week the early part of February. Top row: left to right, Ray Roke, Sabetha, Division of Agriculture; Dorothy Beezley, Girard, Division of Home Economics; Keith Wallingford, Manhattan, Division of General Science. Bottom row: James Bowyer, Jr., El Dorado, Division of Engineering and Architecture; Albert Grundmann, Salt Lake City, Utah, Division of Graduate Study; and Don Christian, Manhattan, Division of Veterinary Medicine.

PLAN SERIES OF CLINICS TO ASSIST KANSANS IN PRODUCING VITAL CROP

College Extension Service Will Co- operate to Encourage Production of Soybean

A series of soybean clinics are being held in eastern Kansas to enable farmers to learn more about producing and marketing this vital war crop. The 1942 soybean goal for the state is 125,000 acres, more than 2 1/2 times the 1941 plantings. The United States Department of Agriculture recently announced a program of price support for the beans.

The soybean clinics are a cooperative undertaking, involving the combined efforts of two soybean mills, two railroads, the Kansas State College Extension service, county farm bureaus, and local chambers of commerce and service clubs.

The program at each meeting will present information on growing the crop—including choice of variety, seedbed preparation, planting, and harvesting. The use of soybeans and soybean oil meal as livestock feeds will be discussed; and information will be presented concerning the market outlook and prices for the beans.

The schedule for the clinics is as follows: February 16, Mayetta, 1:30 p. m.; Holton, 7:30 p. m.; February 18, Whitewater, 1:30 p. m.; March 3, Troy, all day, Leavenworth, 7:30 p. m.; March 4, Atchison, all day, Marysville, 8:00 p. m.; March 5, Topeka, 7:30 p. m.; March 6, Lawrence, 1:30 p. m.; Bonner Springs, 7:30 p. m.; March 9, Randolph, 1:30 p. m.; Riley, 7:30 p. m.; March 10, Horton, all day, Seneca, 7:30 p. m.; March 11, Wamego, 1:30 p. m.; Onaga, 7:30 p. m.; March 12, Alma, 1:30 p. m. and 7:30 p. m.; March 13, Herington, 7:30 p. m.

Speakers to appear on the programs include E. A. Cleavinger, Extension agronomist; K. E. Soder, agricultural agent of the Rock Island railroad; Harold W. Benn, agricultural agent of the Union Pacific railroad; Dwight L. Dannen, of the Dannen Grain and Milling company, St. Joseph, Mo.; and a representative of the Kansas City Soybean mill, Kansas City, Kan.

Miss Agan To Chicago

Miss Tessie Agan, assistant professor in the Department of Household Economics, is in Chicago attending the first national conference for safety for farm and home, February 18 and 19.

79 Candles on Cake

Kansas State College's 79th Founders' Day anniversary saw 3,104 students attending classes Monday. Twenty-six men and 26 women reported to classes the first term in 1863.

No special celebration or observance was made, but the Kansas State Collegian noted many changes and developments in the College during its 79 years of existence. Besides building improvements and increased enrolment, Kansas State College has made a place for itself among recognized colleges and universities. Editor Kendall Evans said in his editorial, "Established under the terms of the Morrill act, Kansas State has since become a leader in the instruction of agricultural and mechanical arts as well as in scientific and classical arts and military training."

Theta Sigma Phi Aids Soldiers

Soldiers in the Ft. Riley hospital will receive magazines and other reading material every Friday through the efforts of members of Theta Sigma Phi, honorary and professional fraternity for women in journalism at Kansas State College. The Theta Sigs have placed a large box in Recreation Center for any reading material contributions, and they are urging all students to help.

PROPER HOME MANAGEMENT IS ESSENTIAL IN DEFENSE, SAYS MISS GLADYS WYCOFF

Grandmother's adage—woman's place is in the home—has an important modern revival for national defense, believes the field representative of the American Home Economics association, Miss Gladys Wycoff, who visited Kansas State College last Wednesday.

"Community defense projects are important, but family health and morale must be secured first," said Miss Wycoff, a former member of the Kansas State College faculty.

NEED HOME RECREATION

"The homemaker's responsibility is to maintain in her own home the type of Democracy we are fighting to defend," she explained. "This means family planning, family budgeting, proper nutrition, and a particular home job for each member."

"Mothers will need to plan more

Open Way to Air Corps

College students who have had both advanced ROTC and Civilian Pilot Training will be recommended for the Army Air Corps, according to an announcement made by the Department of Military Science and Tactics. C. E. Pearce, C. P. T. flight director, said Monday there still were several vacancies in both the primary and advanced pilot training quotas for those advanced ROTC men who are interested. Pearce also informed men students the government indicated recently that flying students would be reimbursed for the cost of physical examinations and insurance.

KANSAS CITY PHILHARMONIC TO PLAY TWO CAMPUS CONCERTS FEBRUARY 24

Performance under Karl Krueger a Number of Student Celebrity Series

The Kansas City Philharmonic orchestra, under the direction of Karl Krueger, will come to the campus February 24 under the auspices of the Celebrity Series board to give two concerts in the College auditorium.

The orchestra, which made an appearance in the Auditorium a year ago, will play an afternoon and an evening program. The evening performance will feature Miss Lois Craft, harp soloist.

The Kansas City Philharmonic is the only nationally known symphony orchestra in this part of the country. It was organized nine years ago by Krueger, a former conductor of the Seattle Symphony orchestra.

College students will be admitted to one of the concerts on presentation of their activity tickets. Faculty members and townspeople are purchasing reserved seats at Brown's music store in downtown Manhattan.

NEW PUBLICATION ABSTRACTS WORKS BY FACULTY MEMBERS

Dr. A. D. Weber is Business Manager of Journal of Animal Science

The first issue of The Journal of Animal Science, published by the American Society of Animal Production, has been received by members of the society. Dr. A. D. Weber of the Department of Animal Husbandry, is business manager of the Journal and secretary-treasurer of the society.

The new publication will be issued quarterly, Doctor Weber said, and it replaces the annual publication of the Proceedings of the society.

Abstracts of two papers written by members of the staff of the Agricultural Experiment Station are included in the publication. Doctor Weber and Dr. C. W. McCampbell, head of the animal husbandry department, are the authors of one of the papers. Robert W. Bray, a graduate student, Prof. D. L. Mackintosh and Dr. G. E. Vail are the authors of another paper abstracted in the Journal.

H. R. Guilbert, a graduate of the department of Animal Husbandry in 1920, now located at the University of California, is author of the "lead" article in the publication.

home recreation and well balanced activities. They will need to supply more home production, such as making more clothes and canning more homegrown foods," she said.

LOOKS TO COMMUNITY

To aid conservation for national defense, homemakers can share canning equipment, especially pressure cookers, and prolong the service of household equipment by proper care and repairs, Miss Wycoff advised. They can ask for standard merchandise in both clothing and foods and should insist on proper labeling in order to know what they are buying.

In cases where mothers must work, it is the responsibility of the community to provide nursery schools, for the entire community is affected, Miss Wycoff believes.

STUDENTS AND STAFF MEMBERS IN SELECTIVE SERVICE SIGN-UP

NEARLY ALL SENIORS ELIGIBLE FOR MILITARY SERVICE

College Committee Headed by Prof. C. H. Scholer Believes It Unlikely Any of Group Registering Monday Will Be Called Soon

More than 540 Kansas State College students and faculty members between the ages of 20 and 44, inclusive, registered in the third national registration under the Selective Service act in Recreation Center Monday.

In the first registration on the campus on October 16, 1940, 1,074 Kansas State College men registered. Prof. C. H. Scholer, head of the Department of Applied Mechanics and chairman of the College Selective Service committee, said the percentage of College men in the age group eligible for military service is not known at present but that 18 per cent of the freshmen are over 20 years old, 40 per cent of the sophomores, 82 per cent of the juniors and 99 per cent of the seniors.

FACULTY MEMBERS HELP

Registration papers of men who signed up between 7 a. m. and 9 p. m. Monday will be sent to the respective home counties where numbers will be assigned to them. The Selective Service committee emphasizes the unlikelihood that any of the new registrants will be called before next summer.

Twenty-four faculty assistants helped the committee register the men. Cards giving the registrant's name, birthplace, date of birth, height, weight, color of hair and eyes and place of employment had to be filled out.

SEE NEW REGISTRATION

Monday's registration will be followed within two or three months by one for all men between the ages of 18 and 64 years, according to the College committee. This group will be classified for civilian defense and war production activities rather than military service.

Members of the College Selective Service committee are Dr. A. B. Cardwell, professor and head of the Department of Physics; Herman Farley, associate professor in the Department of Botany and Plant Pathology; Dr. Roy C. Langford, professor in the Department of Education; David L. Mackintosh, associate professor in the Department of Animal Husbandry; and Charles H. Scholer, head of the applied mechanics department and committee chairman.

KANSAS STATERS WIN HONORS IN ANNUAL SPEECH CONTESTS

Frank Seymour Is Speaker of Legisla- ture at Rocky Mountain Conference

Representatives of Kansas State College at the Eleventh Annual Rocky Mountain Speech conference in Denver Thursday and Friday of last week brought back top honors in competition with students representing 20 schools and 12 different states. Frank Seymour of Wichita received the highest position in the legislative assemblies by being elected speaker of that body. Rex Pruett, Culver, was proclaimed the best conversationalist.

Dave Hurst, Kirwin, placed high in the progressive discussion groups, was elected chairman of the committee on International Economy, and introduced a bill providing a monthly pension to be given all members of the assembly. Embert Coles of Colby, a freshman debater, was entered in the discussion progression and was elected secretary of the committee on International Diplomacy.

On Editorial Staff

Helen Frances Chambers, I. J. '40, is "getting a crack at news gathering" on her job as a member of the editorial staff of Broadcasting, weekly behind-the-scenes-in-radio magazine. Miss Chambers is working in the Chicago office of the magazine.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY, Editor
CHARLES M. PLATT, JANE ROCKWELL, PAUL L. DITTMORE, ALBERT HORLINGS, Associate Editors
KENNEY FORD, Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in The Kansas Industrialist are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of The Kansas Industrialist is \$3 a year, payable in advance.

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Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in instalments. Membership in alumni groups included.



WEDNESDAY, FEBRUARY 18, 1942

ANNIVERSARY

Kansas State College celebrated its seventy-ninth birthday quietly, with attention of students and faculty focused on doing the task at hand, an observation in keeping with the national situation and with the tradition of the College.

Although the agitation for federal aid for colleges emphasizing technological training had long been under way, it reached fruition during a great war crisis, the gravest that has confronted this country up to the present. The Civil War was well under way when the Morrill Act, making possible land-grant endowments in each of the states, was approved on July 2, 1862. The war was in a most discouraging phase when Kansas accepted the terms of the Morrill Act on February 3, 1863, and on February 16, 1863, accepted the offer of Bluemont College trustees of the gift of their holdings and permanently located the land-grant college at Manhattan.

Because the war then under way had found the country sadly lacking in men with military training, the Morrill Act specified that "military tactics" should be included in the work of the colleges endowed under the Act.

The utility of that provision for the country in time of crisis was amply demonstrated in World War I when Kansas State College, for example, furnished many outstanding leaders for the armies of the United States—including four major generals—and outstanding technological leadership in pursuits related to the war effort, as well.

It is being demonstrated again in the present war, when Kansas State College is represented in all the armed forces and in most of the areas of combat, by men of all ranks. Because the land-grant colleges furnish the backbone of the system of training reserve officers for the armed forces, they are closer to war, when it comes, than the other colleges of the country. More of the men of the land-grant colleges are in the armed forces, more of them in essential war industries; more of the women serve as nurses and technicians or serve the cause of defense by keeping the civilian population well nourished—than is the case with alumni of other institutions. Both the opportunities and the risks of service are greater for land-grant college people than for others of comparable training. As Kansas State College celebrates its seventy-ninth birthday its students, alumni, and faculty may well be proud that—from the emergency in which this College was born to the present grave emergency—its people have been able to accept opportunities for service and willing to accept its risks.

FOOD AND FREEDOM

Food and fiber will not only defend America; they will bring victory, write the terms of peace, and help to keep the peace. The tillers of the soil are prepared to increase their production to meet food goals, and to help create national stock piles needed for our own protection and for those abroad suffering from want. All that Agriculture asks is that in this essential service for national defense, the farmer shall receive the same treatment on prices, income, and

taxation, that is accorded Business, Industry, and Labor. We desire to see America incomparably strong through the submerging of class, personal, and sectional interests. When this war ends, one-half of the world's population will be short of essential foods to preserve health and life. The suffering, privation, and starvation in parts of Europe this winter will be the most severe that innocent people have endured since the dark ages. As food fights for freedom, so farmers will expand production.

The farmer has accepted his full share of responsibility in every struggle for freedom, and his blood has enriched the soil of every battlefield where human liberty has been at stake. His contribution in food production has helped to win every war; his part in World War, Number One, is history. He found a world threatened with famine; he followed the plow, bringing 25,000,000 additional acres under cultivation. He produced the bread grains to feed not only the teeming millions of America, but those for her Allies. After losing two million young men to the industrial and military draft, the farmer by longer hours and the aid of women and youth increased production. He will do it again, provided enough steel is allocated manufacturers to produce repairs and farm equipment sufficient to overcome the labor shortage. Without tools and machines, Agriculture cannot meet all food goals and increased production.—Louis J. Tabor in an address given at the annual session of the National Grange at Worcester, Mass.

RE EDITORIAL FILLERS

When posterity, in the shape of our grandchildren, asks us about the stirring events of these past weeks we will probably say, "Pearl Harbor was bombed on December 7th and both coal and oil are used in manufacturing plastics; the Marines on Wake Island put up a magnificent defense and although mining has become of considerable importance in Honduras in recent years, the country is essentially agricultural, with bananas the leading product and export." This is going to sound silly to our grandchildren, and we expect to explain to them that the fault lay with the newspapers, not with us. It may be that the handling of major stories creates some special mechanical problem in the newspaper composing rooms which makes necessary the use of these exasperating little bottom-of-the-column items called "fillers," or it may be simply that when there is a lot of news we read everything in the newspapers, including the items which informed us the day Manila fell that the American Medical Association was founded in Philadelphia in 1846. Anyway, we now find our brain crammed with history and with the certainty that in most of Latin America the school year begins in April or May and ends in November. We know the strategic importance of Singapore and that scarcity of small mammals, such as rats, mice, and lemmings, in the Arctic is the cause of the flight of large numbers of snowy owls to eastern Canada and New England. Grandfather went a bit nutty in January, 1942, grandchildren, and tests show that the old-type nail cut out of genuine wrought iron has greater resistance to corrosion and seventy-two per cent more holding qualities than steel-wire nails.—From the New Yorker.

THE WORLD OF TOMORROW

I see no poverty in the world of tomorrow, no wars, no revolutions, no bloodshed. And in that world there will be a faith in God greater and deeper than ever in the past. The very existence of the world, in a broad sense, depends on religion. All attempts to root it out will fail.—Mahatma Mohandas K. Gandhi in Liberty magazine.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Prof. L. R. Quinlan addressed the members of the Manhattan Garden club on "Trees, Their Care and Cultivation."

Solon Kimball, '30, was at Harvard university where he was working toward a Ph. D. degree in the Department of Anthropology and Archaeology.

Dr. C. O. Swanson, head of the

By W. L. FAITH

Professor and Head, Department of Chemical Engineering

In normal times the chemical engineer is engaged in the manufacture of chemicals and other materials in which a change of physical properties takes place during processing. Typical examples are petroleum refining, rubber compounding, and paper manufacture.

The outbreak of war has changed these normal times into extraordinary ones with consequent change in the chemical engineer's activities. In time of war, all man power can be divided into two general groups, the military, or combat group, and the non-military, or production group. That both are essential, no one denies. The latter group, of course, is the forte of the chemical engineer.

Let us look at a few of the materials which he is called upon to produce, and see what he is doing about it. At the outset of the Defense Program, aluminum production in this country amounted to 14 million pounds per month. In 1939, the Aluminum Corporation of America increased its plant capacity to 27 million pounds per month because of increased industrial activity. Then suddenly the National Defense Program came into being, and defense needs alone required a monthly production of 40 million pounds. Soon it will be 50 million pounds a month. Accordingly, the government had to underwrite the construction of new plants which are now being constructed in Arkansas, Washington, and New York.

Another of smaller size is contemplated for Utah in which the metal will be produced from clay. All common clay contains an abundance of aluminum. In fact, aluminum is more abundant in the earth's crust than either iron or copper. However, an economic process for its production from anything but comparatively rare bauxite has not yet been developed. The Utah plant will operate the first process of this type which has shown promise.

It is interesting to note that despite these turbulent times the price of aluminum has been reduced four times since March, 1940, an overall reduction from 20 cents a pound to 15 cents a pound. This has been the result of improved technology and is common to practically all chemical industry. In the entire history of American chemical industry, prices have steadily decreased, and that is a record of which chemical engineers are all proud. It is tangible evidence of technological improvement.

Magnesium is another of the metals where an enormous expansion of production facilities has taken place. The need for aluminum and magne-

milling department, attended a meeting of the District 2 organization of Operative Millers in Kansas. Doctor Swanson also addressed the Kansas City chapter of the American Bakery Engineers on "Enzymes and Dough Fermentation," and conferred with the Kansas City section of the Association of Cereal Chemists.

TWENTY YEARS AGO

Marcia Seeber, '21, Y. W. C. A. secretary for the Department of Agriculture, University Farm, St. Paul, Minn., inaugurated Aggie Pop night at the Minnesota Agricultural college.

Mary L. Price, '16, former instructor in the Department of Chemistry here, was an instructor in home economics and general chemistry at the Oregon Agricultural college, Corvallis.

At the fifty-fourth annual session of the Kansas Academy of Science Dr. R. K. Nabours, head of the Department of Zoology, was elected to succeed as president, Roy Rankin, head of the chemistry department of the Hays Norman school.

THIRTY YEARS AGO

Miss Reta Womer, '04, was teaching agriculture at Belleville.

Van Smith, '10, and Miss Margaret Haggart, '05, took part in the program of farmers institute week at the Colorado Agricultural college.

At the eleventh annual reunion and dinner of the Kansas Agricultural College Alumni association of Washington, D. C., the following of-

ficers, of course, is in aircraft manufacture. Of the two metals, magnesium has considerable advantage in weight. Aluminum is a light metal, but magnesium weighs only 1-3 as much. The more parts of an airplane that can be made of magnesium, the more bombs, or personnel, or fuel can be carried by that plane. At present, however, magnesium is used chiefly in airplane motors only because of lack of production. This does not mean that there has not been an enormous increase in magnesium manufacture. In 1918, our annual production of magnesium was approximately 284,000 pounds; today it is more than 125 million pounds; soon it is expected to be 400 million pounds.

Our newest magnesium plant is an excellent example of the progress obtained by scientific and technological research. In this plant at Freeport, Texas, magnesium is manufactured from sea water, by adding lime to the sea water to precipitate magnesia. Addition of chlorine and an electric current under proper conditions yields metallic magnesium.

Leaving the field of metals, we turn to another industry which has done yeoman work in our War Production Program. This is the petroleum refining industry. The superiority which American airplane pilots have shown over Axis pilots so far in this war is due largely to gasoline quality. The Axis can obtain very little gasoline over an octane number of 80, while 100-octane gasoline is standard in the U. S. Air Corps. This difference in anti-knock rating of gasoline allows the American pilot to out maneuver his Axis enemy, and is probably his most important weapon.

The manufacture of 100-octane gasoline is one of those developments which is being increased tremendously at the present time. Ten or 15 years ago 100-octane gasoline was only a laboratory curiosity and if you could have purchased a ton, it would have cost you approximately \$10,000. During 1941, American refineries produced almost 2 1-2 million tons of 100-octane gasoline at about \$50 a ton (about 15 cents a gallon). It is estimated that by the end of 1942, we will be producing 7 million tons a year. The petroleum industry is certainly doing its part to "Keep them flying."

I could go on for a long time and discuss the huge increase in the manufacture of powder and explosives, synthetic rubber, and many other materials, but time does not permit. I can only point out that this war presented a great opportunity and a great responsibility to the chemical engineering profession. We will not fail!

ficers were elected: W. L. Hall, '96, president; Julia R. Pearce, '90, first vice-president; S. C. Mason, '90, second vice-president; A. B. Gahan, '03, secretary; Lewis W. Call, '83, treasurer; R. A. Oakley, '03, assistant secretary.

FORTY YEARS AGO

Doctor Mayo was called to Wichita to attend a meeting of the live-stock sanitary boards of Missouri, Colorado, Oklahoma Territory, Texas and Kansas, in conjunction with the meeting of the Oklahoma Cattle Growers' association.

President Nichols was in Topeka on College business and acted as a member of a committee of four, appointed to investigate the work of the Quindaro school at Kansas City, which had made application to have its graduates accredited with a part of the work required of candidates for state teachers certificates.

FIFTY YEARS AGO

Professors Failyer, Popenoe, and Hitchcock took part in the Oskaloosa institute.

Assistant Horticulturist Mason was elected president of the Manhattan Horticultural society at the last meeting.

Professor White conducted a general history exercise at the meeting of the Riley County Teachers association at Leonardville.

SIXTY YEARS AGO

At the regular meeting of the Web-

ster society M. T. Ward was re-elected president.

Professors Ward, Shelton, Popenoe, and Walters returned from the Horton Farmers institute.

Prof. Robert F. Kedzie, who died at Starkville, Miss., had been for two years professor of chemistry in the Mississippi Agricultural college. He was a nephew of President Fairchild and had been married seven weeks to Miss Nellie Sawyer, '76.

KANSAS POETRY

Robert Conover, Editor

JOHN BROWN'S BODY COMES TO LAKE PLACID

By Hester Buell

Now everywhere is spoken
The tale of crisping leaves;
Now are horizons broken
With outline of the sheaves.
Now soft do silver grasses
Lie the bare hills between;
Swift the gray doe passes
To seek a balsam screen.
Now whispers in the fountain
A near-forgotten song,
And on the haunted mountain
A still bird lingers long.
Now will a promontory shade
The fire-resisting eyes
That saw too little to be afraid
And too much to be wise.

Hester Buell was born in Blue Rapids and is a graduate of the University of Kansas. She has been writing verse and a little prose during the past few years.

SUNFLOWERS

By H. W. Davis

TIME ON MY HEAD

I lost two hours of sleep on the night of February 8-9, one for the preservation of democracy and one in an effort to explain that on the morning of February 9 at seven o'clock it would be, for all practical purposes, seven o'clock—and not six or eight.

It was my own fault, mostly. I should have persisted in the pretense of being sound asleep when the better half of me murmured she could not even approach sleep until she got straight in her own mind exactly what time it would honestly and truly be at seven in the morning.

I should never have used the phrase, "for all practical purposes." That always brings out the best in her and gives her a chance to come charging at me on account of my conservative practicality and exasperating matter-of-factness. The minute she said, "Now, why do you say that?" I should have kept on snoring and playing out the dead opossum technique to the brink of extermination.

I had turned up the clocks one hour, just as every radio announcer in the United States had advised me to. I'll admit I did it secretly, and with what I considered a good deal of finesse.

But when I told her everything was arranged and that all she would have to do would be to arise when the alarm went off and proceed from then on as if God was in his heaven and all was right with the world—except the Axis—I immediately sensed that my finesse had been something else—and a very different something else.

So I backed up clear to the starting point, as of three o'clock on the afternoon of February 8 when I had begun to lay the groundwork, and went over everything again point by point and minute by minute. In my most scientific vein I took the hours of the day apart and showed that the sun actually had nothing to do with them. They were man-made, said I, just like forty-hour weeks and over-time, and man had a right to change them whenever he got good and ready, or felt that national stability needed a shot in the arm.

But due to frequent and raucous hecklings I got sort of mixed up at the end of forty-five minutes and finally meandered off into a soothing monody that ultimately lulled me into blissful incoherence.

Luck was with me. I didn't have to set the clocks back, though I was warned more than once that Father Time might strike me dead for the sacrilege I had perpetrated in his domain.

Finally I went to sleep despite the clamor, and I awoke not too early, and neither bright nor refreshed.

AMONG THE ALUMNI

Mabel (Selby) Laughlin, B. S. '95, is teaching foreign languages at the Glendale junior high school, Glendale, Calif. She has been there 18 years and is head of the languages department. Mrs. Laughlin lives at 117 E. Doran, Glendale. She has three children.

Charles A. Scott, Ag. '01, who operates one of the larger nurseries in Kansas at McPherson, was elected president of the Western Association of Nurserymen at the 53rd annual meeting recently held in Kansas City. Membership in the Western Association includes the leading nurseries from as far east as New York and west to the Pacific coast, and from Minnesota and Michigan to Alabama and Texas. The Scotts live at 222 South 17th, Manhattan.

Earl J. Evans, Arch. '06, writes that he is working with the army camp under construction at Bastrop, Texas. He is with the construction quartermaster in the office of district engineer. He has previously been at the Y. M. C. A., Houston, Texas.

George P. Berger, E. E. '08, is power plant engineer with the United Telephone Company, Abilene, Kan. He and Lillie (Shirk) Berger may be addressed Route 3, Abilene.

Albert R. Losh, M. E. '10, writes under the letterhead A. R. Losh Company, Lumber and Building Materials, Albuquerque, N. M. He and Jennie (Caton) Losh, formerly on the Kansas State faculty, live at 1605 Park Avenue, Albuquerque. They have two sons—Richard C., a 2nd lieutenant in the U. S. Marine Corps, and Tom C., a junior in engineering at the University of New Mexico.

Katherine Tucker, H. E. '12, M. S. '38, is this year president of the Topeka Home Economics association. From a news item regarding the first meeting of the year, "Miss Tucker, who will direct the home economists in an unusually active program for the coming year, brings an outstanding home economics background to her new office as president of the association. Head of the department of home economics at Topeka high school at the present time, she has two degrees from Kansas State College and has studied at Columbia university and Iowa State college. She has taught in several Kansas high schools and a summer session seminar at Kansas State College. She is especially well known for her original work in teaching home economics to high school boys. At present she is a member of the governor's advisory committee for state juvenile institutions." Miss Tucker lives at 1214 West 10th, Topeka.

Lloyd Gearhart, Ag. '14, who has been lost on the alumni files for years, has been found at Bergen, N. Y. He and Jane (McCall) Gearhart are farming at R. D. 1, Bergen.

Luster R. Brooks, Ag. '17, and Mary (Bonar) Brooks are in Phoenix, Ariz. Mr. Brooks is district grazer for the grazing service of the U. S. Department of Interior. His address there is 516 Heard building.

Dr. C. H. Honeywell, D. V. M. '18, is reported in the Veterinary News Letter to have one of the best established veterinary practices in Missouri, and in addition he operates a farm. He and Leah (Bryant) Honeywell have one son. They are at Slater, Mo.

Roscoe N. St. John, M. E. '20, is director of the United Laboratories, 240 N. St. Francis, Wichita, Kan. He works for Coleman Lamp and Stove Company, Wichita. He and Estelle (Meisner) St. John, f. s. '17, live at 225 N. Martinson, Wichita. They have a son on the Kansas State basketball squad.

Earl T. Means, Ag. '22, formerly with the Extension service as county agent at Winfield and Iola, is now with the Federal Land Bank as farm service assistant. He and Ethel (Tate) Means, Ag. '22, live at 421 North Clifton, Wichita.

Bernice (Slane) Prescott, H. E. '23, and Russell M. Prescott, f. s. '23, recently sent in their address as 204 East Morris, Wichita. The Alumni Office had known no address for them since 1923.

Wilda M. Hay, H. E. '24, M. S. '41, is teaching home economics in the high school at Superior, Wyo. She has taught in Eureka, Alma, and

Belleville, Kan., high schools.

George C. Horning, C. E. '25, is field assistant, division engineering, Kansas highway department. He and Elizabeth (Schopbach) Horning, who were married in 1935, live at 403 W. Waverly, Norton, Kan. They have one son.

Ralph L. Foster, M. E. '26, has changed his work in Houston, Texas. He has been with the EMSCO Derrick and Equipment Company and is now engineer for the Cameron Iron Works, Inc. Residence address for Mr. Foster and Mildred (Hassell) Foster is 2048 Des Jardines, Houston, Texas.

Harry J. Isham, Chem. E. '27, is chemist for the Sinclair Refining Company, East Chicago, Ind. The Ishams live at 102 157th Street, Calumet City, Ill.

Irvin D. Wright, M. E. '27, and Lulu (Jennings) Wright, H. E. '26, have recently moved to 4812 Delaware St. in Berwyn, Md. At Christmas time they visited in the Alumni Office with their two daughters, Clara Mae and Barbara. Mr. Wright is mechanical engineer with the Beltsville Research Center, Beltsville, Md.

Lonnie J. Simmons, Ag. '28, and Helen (Boyer) Simmons, H. E. '34, write that they have transferred from Alma, Mich., to Parsons, Kan., and are at 3026 Washington St., Parsons. Mr. Simmons has been working for Swift and Co., and now has work in connection with the bomber plant being built at Parsons.

Mrs. Lulu (Parken) Wertman, H. E. '29, has retired from her position as director of the cafeteria, Bethel College, Newton, Kan. Her address now is 601 North Sixteenth, Newton.

George R. Vanderpool, C. E. '30, and Luela (Cone) Vanderpool, f. s. '30, are at 2005 Monroe, Amarillo, Texas. Mr. Vanderpool is draftsman for the Atchison, Topeka and Santa Fe Railway Company.

Willard V. Redding, Ag. '31, M. S. '34, is teaching vocational agriculture in the high school at East Bend, N. C. He and Jennie (Nettrouer) Redding, '28, have a daughter, Christina Marie, who was one year old December 1, 1941.

Clifford Wayne Kewley, M. E. '32, is industrial engineer, Sinclair Refining Company, Kansas City, Mo. He and Wilma (Copper) Kewley, f. s. '28, now live at 207 West Armour, Kansas City, Mo. Mr. Kewley was formerly district agent with the Sinclair Company, and they have been located at Dodge City, Kan.

Jay Russell Bentley, Ag. '32, associate forest ecologist, U. S. Forest Service, is doing research on range problems in the California foothills. He is with the San Joaquin Experimental Range, O'Neals, Calif. Mrs. Bentley is the former Olive Manson, 1932 graduate of Mills college.

Ivan McDougal, E. E. '33, and Millicent (Dickenson) McDougal are at 2215 Bartlett, Houston, Texas. Mr. McDougal is sales engineer with Westinghouse Electric and Manufacturing Company at Houston.

Forrest O. Cox, D. V. M. '34, is to be stationed at the Quartermaster's Depot in Kansas City after being at Ft. Leavenworth on temporary duty. Jewel (Stockdale) Cox writes that she and her husband are moving to 323 27th Avenue, North Kansas City, Mo.

Mary (Clark) Wead, H. E. '35, writes that she and her husband, Robert K. Wead, are to be addressed Cia. Agricola de Guatemala, Tiquisate, Guatemala.

Cleta Null, H. E. '37, has been home demonstration agent in Missouri for three years. She was transferred in January from Kingston to Warrensburg, Mo. Her address there is 427 East Market.

Walter E. Folkerts, M. E. '38, writes that his title is tool designer, Hudson Motor Car company, Naval Ordnance plant, Detroit, Mich. He and Agatha (Keyl) Folkerts are at 18061 Orleans Street, Detroit.

Everett J. Degenhardt, G. S. '39, is property auditor, 8th Corps Area Finance Office, War Dept., Ft. Sam Houston, San Antonio, Texas.

Don R. Makins, I. J. '40, was commissioned as an ensign in the United States Naval Reserve in January after four months of intensive study in the Naval Reserve Midshipmen's school at Abbott hall, on Northwestern university's Chicago campus. Ensign Makins was editor of the 1941 Royal Purple yearbook.

LOOKING AROUND

KENNEY L. FORD

Lois (Windiate) George, '33, sent the following report: "In the Wichita University Commons building, January 31, 1942, the Kansas State Alumni group of Sedgwick County held their annual dinner and election of officers. Cliff Currie, retiring president, was toastmaster for the evening, and introduced Dr. and Mrs. William Jardine, Dr. Howard T. Hill, and Ralph Graham, as our honor guests. Short speeches were given by Ralph Graham, Emmett Breen, 'Monk' Edwards, and Ralph Snyder. Doctor Hill was introduced by Doctor Jardine and gave a fine talk discussing the possible place of alumni in keeping K. S. C. and the outlook for the future. Officers elected were president, J. L. Rader, f. s. '22; vice-president, Emmett Breen, '32; secretary-treasurer, Alice (Patterson) Weckel, '25.

"We feel that this meeting was the most successful ever held by this group. Many friendships were renewed and everyone seemed to enjoy the entire evening. There were 105 reservations for the dinner and the following people registered: W. W. Trego, '24, and Maude (Lahr) Trego, '22; Fred Carp, '18, and Mrs. Carp; Edward Spillman, f. s. '17; Harold Miller, '31, and Mrs. Miller, Augusta; Miles George, '31, and Lois (Windiate) George, '33; Loyal Mock, '37, and Mrs. Mock; Morris Phillips, '39, and Mrs. Phillips; Berwyn Brewer, '35, and Mrs. Brewer; Don Hansen and Ileene (Davis) Hansen, '40; K. P. Niederlander, '29, and Mrs. Niederlander; H. L. Huit, '15, and Mrs. Huit; Ralph Snyder, '90, and Mrs. Snyder; Arleen Glick, '28; Elizabeth Hullinger, '29; George Weckel, '24, and Alice (Patterson) Weckel, '25; N. S. Robb, '11; Martin K. Eby, '29, and Mrs. Eby; A. H. Stephenson, '32.

"A. R. Edwards, '29, and Josephine (Keef) Edwards, '30; Dorothy Turner, M. S. '37; John L. Rader, f. s. '22, and Mrs. Rader; Paul A. Skinner, '28, and Lucile (Rogers) Skinner, '29; Burton Weber, f. s., and Beatrice (Woodworth) Weber, '31; A. R. Loyd, '25; Wayne Ewing, '32, and Ruby (Nelson) Ewing, '31; Earl T. Means, '22, and Mrs. Means; C. W. Halferty, '38, and Mrs. Halferty; John Harness, '28, and Mrs. Harness; C. J. Lydick, '24, and Mrs. Lydick; R. S. Delamater, '32; Ralph Graham, '34; Emmett Breen, '32; Garcel K. Hays, '29, and Mrs. Hays; Loyal Davies, '29, and Leone (Wilson) Davies, '30; D. Paul Hutchison, '29, and Katherine (Fullinwider) Hutchison, '31; Neil McCormick, '35, and Mrs. McCormick; Lloyd Cole, f. s. '10, and Nannie (Carnahan) Cole, '12; Morris Miller, '35, and Mary Elizabeth (Williams) Miller, f. s. '35; Bessie (Cole) Case, '21.

"Mr. and Mrs. O. K. Brandon; Lucy (Platt) Stants, '12; Sam Caughron, '34, and Mrs. Caughron; Russell James, '32, and Mrs. James; Mr. and Mrs. W. L. Ames; Mr. and Mrs. M. M. Paul; J. C. Dauner, and Margaret (Rochford) Dauner, '24; K. O. Houser, '22, and Mrs. Houser; Allen Duncan, '37, and Mrs. Duncan; George Harkins, '24, and Doris (Riddell) Harkins, '27; Neva (Colville) McDonnell, '13; Alma (Halbower) Giles, '14; C. W. Currie, f. s. '24, and Virginia (Carney) Currie, f. s. '26; Dr. and Mrs. W. M. Jardine; Mr. and Mrs. A. E. Small; Dr. Howard Hill, and Harry W. Johnston, '99, Manhattan."

MARRIAGES

EDWARDS—LIPPENBERGER
Florence Edwards, G. S. '37, and Raymond Lippenberger, Arch. '36, were married at high noon on Christmas day. Mr. Lippenberger is an architectural engineer in Alexandria, Va., where they are living.

GLENN—ADAMS
Jean Glenn, G. S. '39, and Walter Adams, senior in mechanical engineering, were married December 22 in Amarillo, Texas. They are living at 1814 Anderson, Manhattan, until Mr. Adams graduates in the spring.

MADSEN—HAYMAKER
Jennie Marie Madsen, I. J. '41, and Lt. John N. Haymaker, M. I. '41, were married in Manhattan Saturday, December 27. Their address is Weatherford, Texas. Lieutenant Hay-

maker is stationed at Camp Walters.

HEMPHILL—GROTE

Hannah Lee Hemphill, H. E. '39, and Harold W. Grote, f. s., were married Saturday morning, November 15, at Chanute. Mr. Grote is employed at the Kansas Power and Light company in Manhattan. They live at the Walters Apts.

POLLOM—CARL

Maurine Polloom, H. E. '40, and Gilbert Carl, D. V. M. '41, were married November 19, 1941, in Manhattan. The couple are at home in Burlington, Vt., where Doctor Carl is associated with the U. S. Bureau of Animal Industry.

SMITH—CAUBLE

Daphne Vivian Smith, H. E. '32, was married to Dr. Wilbur G. Cauble of Louisville, Ky., December 28 in Manhattan. Doctor Cauble, graduate of Kansas University, is resident surgeon in the Norton Memorial infirmary, Louisville.

WARREN—WHITE

Violet E. Warren and Alfred M. White, E. E. '41, were married November 16 at the First Methodist church, Topeka. They left immediately for their home in St. Louis, where Mr. White is employed by the Century Electric Co.

BROWN—MOORE

The marriage of Katherine Betty Brown, H. E. '40, to J. Richard Moore, Ag. '39, took place November 4, 1941. Mrs. Moore has been home management supervisor for the Farm Security Administration at Washington, Kan., where they live.

WINKLER—MOODY

Virginia Winkler, H. E. '38, and Virgil E. Moody were married Thursday, November 27, 1941, in Manhattan. Mrs. Moody taught two and a half years in the Jamestown and Mankato high schools and at the time of her marriage was employed by the FSA for Neosho and Wilson counties. Mr. Moody is a graduate of Wichita university and is now county clerk of Neosho county. They are at home at 521 South Main, Erie.

SMITH—WILSON

Doris Maurine Smith, H. E. '39, and C. Pears Wilson, Ag. '38, M. S. '40, were married Thursday, November 20, 1941, at Atlanta, Kan. Their address is Route 1, Manhattan. Mr. Wilson is assistant professor in Economics and Sociology, Kansas State College.

DOW—KEEZER

Ula M. Dow, D. S. '05, and Lewis M. Keezer announce their marriage on Wednesday, December 31, 1941, at Plymouth, N. H. Mrs. Keezer has a doctor of science degree from Kansas State in 1938 and has been until recently a professor in Simmons College, Boston, Mass. They are at home at New Hampton, N. H.

MYERS—FLEENOR

Barbara Jane Myers, H. E. '40, was married to Beattie H. Fleenor, Mill. Ind. '39, Saturday, December 20, at Randolph Field, Texas. Lieutenant and Mrs. Fleenor are at home for the present at Brooks Field, San Antonio. Mrs. Fleenor has been home service director with the Gas Service company in Hiawatha.

IRWIN—DALLAS

The marriage of Alice Mary Irwin, M. Ed. '32, to William Robert Dallas of Los Angeles, took place Saturday afternoon, November 8, 1941. Mrs. Dallas taught music and English in Garrison and Manhattan, and before going to California was secretary in Pres. F. D. Farrell's office at the College. Mr. Dallas is a graduate of Oregon University. He is employed in the offices of the Equitable Life Assurance Society in Los Angeles. They live at 1036 Menlo Avenue, Apt. 107, Los Angeles.

BIRTHS

John W. DeMand, M. S. '40, and Nadine (Wallace) DeMand, f. s., have a son, John Wesley IV, born September 13, 1941. They live at Concordia where Mr. DeMand teaches in the high school.

Roberta Gale Griffith is the name chosen by Robert L. Griffith, I. Chem. '37, and Elsie (Duesing) Griffith, I. J. '35, for their daughter born November 7, 1941. The Griffiths live at 591 Flower City Park, Rochester, N. Y.

RECENT HAPPENINGS ON THE HILL

The first telegraphic match for the Women's Rifle Team was held last week with Wichita university. K. S. C. scores were sent by wire to Wichita Friday.

Three seniors in agriculture have not registered for selective service. Only one junior ag has not. David L. Mackintosh, associate professor in the Department of Animal Husbandry, says they are not old enough.

A former boiler room located between the Engineering building and the Shops is being renovated for use in engineering experimental work and defense training. It has for some years been used as a storage room.

Tryouts for the new Manhattan Theatre play, "Double Door," scheduled for presentation on March 20 and 21, were held Monday, Tuesday and Wednesday. Among the seven male and five female parts in the play are three character roles, according to Walter Roach, instructor in the Department of Public Speaking and director of Manhattan Theatre.

Like other radio stations in the nation, station KSAC—"the radio voice of Kansas State College"—has closed its control room to the public. Since the Army could not supply guards, it instructed each station to take its own precautions against work of foreign agents. Accordingly, a "Keep Out" sign halts most of the curious at the door, and a metal chain across the entrance effectively stops the rest.

On the anniversary of the College, Mrs. Bertrand Rockwell, of Kansas City, Mo., writes that she came to the campus in 1866 but it was "too lonesome" and she returned home to Chapman. Her brother, however, did attend school; so she often came to visit "Col. and Mrs. Anderson when their nephew, John A. Anderson, was president of the College." Mrs. Rockwell, aunt of Miss Jane Rockwell, instructor in the Department of Industrial Journalism and Printing, will soon celebrate her 92nd birthday.

DEATHS

BLACHLY

Beulah (Fleming) Blachly, D. S. '04, died December 23, 1941, of cancer. She had been living in Alhambra, Calif., since her husband, John H. Blachly, '00, died in 1931.

ARMSTRONG

John D. Armstrong, M. E. '38, was killed in an airplane crash September 15, 1941, near Toungoo, Burma. Word was sent by Secretary of State Cordell Hull, to his parents at his home in Hutchinson, Kan.

CLENCY

Oren R. Clency, R. C. '26, died November 29, 1941, having been ill for a year. He was director of the state income tax department in Governor Ratner's administrations until going to Arizona last February. He is survived by his parents, Mr. and Mrs. John Clency. His mother had been principal of Roosevelt school in Manhattan for many years. A sister, Miss Ruth Clency, Hammond, Ind., also survives.

ILES

Edith (Jones) Iles, D. S. '09, died at her home January 26 following a long illness. Death was attributed to cancer. Mrs. Iles, formerly research assistant to the dean of agriculture, W. M. Jardine, was married in 1916 to I. V. Iles, a faculty member, now a professor in the Department of History and Government at Kansas State College. She is survived by her husband, Professor Iles and a daughter, Mary, of the home, 325 North Seventeenth, Manhattan.

Horticultural Club Elects

Carl Sperry of Marysville is the new president of the campus Horticultural club. Under Sperry's direction the group will attempt to amend the club's constitution concerning methods of obtaining new members. Other newly elected officers include: Everett Janne, Wilson, vice-president; Leo Peterman, Beattie, secretary-treasurer; and Ronald Campbell, Cherryvale, program chairman.

COMMITTEE STARTS SURVEYING KANSAS STATE ORGANIZATIONS

DISTRIBUTE QUESTIONNAIRES TO 85 GROUPS

Mary Margaret Arnold, Industrial Journalism Senior, Heads Organization Composed of Five Students and Three Faculty Members

A general survey of campus organizations is being made by a committee appointed for that purpose by the Student Council and President Farrell. According to Mary Margaret Arnold, committee chairman, 85 campus groups have received questionnaires which must be answered and returned for committee evaluation next week.

Although the survey committee was appointed after prominent students had suggested desirability of eliminating from campus life those organizations which are not serving a definite purpose, the functions of the committee are limited to making a comprehensive survey and evaluation of existing organizations and reporting their findings. "Our function is to gather information," Miss Arnold said. "If action is taken it will be by the officers of the Student Council and of the College."

Social fraternities and sororities are not covered by the survey as detailed information concerning them already is on file with College officials.

The Student Organization Survey committee is composed of five student members, appointed by the Student Council, and three faculty members, appointed by Pres. F. D. Farrell.

Student members are Miss Arnold, Division of General Science; Patricia Beezley, Girard, Division of Home Economics; Bob Wagner, Garden City, Division of Agriculture; Grant Marburger, Lyons, Division of Engineering and Architecture; and Bob Lank, Kansas City, Division of Veterinary Medicine.

Faculty members include Mrs. Besie Brooks West, head of the Department of Institutional Management; Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing, and Prof. Roy Langford of the Department of Education.

SHAW TO BECOME DEPARTMENT HEAD AT NORTH CAROLINA STATE COLLEGE

President Farrell Announces Two Resignations and One Faculty Appointment

Faculty changes announced recently by Pres. F. D. Farrell included the resignation of Dr. A. O. Shaw, associate professor who for two years has been a member of the faculty of the Department of Dairy Husbandry. Doctor Shaw will leave in March for Raleigh, N. C., where he will become head of the department of animal industries at North Carolina State college.

The President also announced that the resignation of M. I. Darrow, part-time graduate assistant in the Department of Poultry Husbandry, had been approved by the Board of Regents, effective January 15.

Mrs. Margaret Lewis Stewart has been employed as part-time graduate assistant in the Department of Institutional Management, effective February 1. Mrs. Stewart will succeed Mildred Hoss.

LAMBING DISEASE OF EWES A THREAT, EXPERTS ASSERT

Animals Need Exercise and Carbohydrates, Explain College Specialists

Kansas sheep raisers were warned today by specialists in the Kansas State College Division of Veterinary Medicine to take necessary steps to prevent "lambling disease of ewes," a condition affecting ewes in advanced pregnancy.

Exercise and plenty of carbohydrates in the ration are important in this prevention, particularly during the last month of pregnancy, the College veterinarians explained.

Symptoms of the disease are most frequently of a nervous character. The animal may go down and be unable to arise, push persistently with the head against some fixed object or gnash the teeth. When it is down it may make trotting motions. Animals that contract the disease frequently die in less than a week after the first symptoms are noticed.

In making the first step in prevention of the disease, ewes may be compelled to walk for some distance to feed racks, then more to water.

KOENIGSBERG DEBUNKS MESSAGE-TO-GARCIA LEGEND -- PRAISES MAJOR ANDREW S. ROWAN

Author of "King News" Says Former Kansas State Professor Would Have Been Court-Martialed for Course of Conduct Attributed to Him by Hubbard

The story of the daring heroism displayed by Maj. Andrew S. Rowan, former military science professor at Kansas State College, when he "carried the message to Garcia" has been disputed by M. Koenigsberg in his recently released "King News."

Koenigsberg, however, does not deprecate Major Rowan's bravery or ability as a soldier. As he explains it, he only strips the message-to-Garcia myth of its "fictional frills." Koenigsberg is a newspaperman of more than 50 years and at one time was head of International News Service.

CROSSED SEA IN OPEN BOAT

War department records show that Lieutenant Rowan was selected April 8, 1898, by President McKinley to go to Cuba for the purpose of gathering military information for use in the war against Spain and of getting in touch with General Garcia, Cuban insurgent leader.

He sailed the same day for Kingston, Jamaica, West Indies, where he remained until April 23, when he received a cable to "join Garcia as soon as possible." Upon receipt of this order he crossed the Caribbean in an open boat and after a hazardous journey, reached General Garcia on May

1, 1898, and delivered his message.

DOES NOT DIM FAME

Major Rowan's exploits were painted in heroic colors by the late Elbert Hubbard. The "Message to Garcia," according to Mr. Koenigsberg in his autobiography, "was fanciful embroidery of a model course of conduct which, if actually followed out, would have earned for Rowan a court-martial instead of a hero's honors. . . He would have been guilty of insubordination if he had shortened or altered the lines of action carefully laid out for him. Debunking of the 'Message to Garcia' does not dim one jot of Rowan's martial fame. On the contrary, it relieves his performance of the fictional frills the presence of which contradicted the fine discipline that marked his service." The author was a sergeant in the Spanish-American war.

After taking part in several engagements in the Philippines, Major Rowan returned to the United States and was assigned to duty in Manhattan, serving on the College military department staff from the summer of 1902 till September 16, 1903.

Major Rowan was awarded the Distinguished Service cross for his "extraordinary heroism" and also received a Silver Star decoration.

Young Republicans Organize

Audrey Jean Durland, Manhattan, a junior in architecture, was elected president of the newly reorganized Young Republicans' club on the campus at the initial meeting recently. Other officers elected include: Margaret Reissig, Topeka, vice-president; Harriet Hancock, St. Francis, secretary; Larry Alden, Manhattan, treasurer; and Margaret Mack of Manhattan and Betty Lou Hancock of St. Francis, publicity agents. Dr. Howard T. Hill, head of the Department of Public Speaking, is the faculty sponsor.

THROCKMORTON WARNS NOT TO PLANT SPRING WHEAT

An Excellent Idea, Except That It Doesn't Work, Says Crops Specialist

Spring wheat should be "one of the last crops to choose" in selecting a spring crop to plant on wheat ground not seeded last fall, in the opinion of R. I. Throckmorton, head of the Department of Agronomy at Kansas State College.

"The failure to establish wheat on many fields in eastern Kansas last fall has caused farmers to become interested in obtaining information on spring wheat," Throckmorton stated today. "This plan of supplementing a short winter wheat crop with spring wheat would be highly desirable, but it just doesn't work that way," he added.

Plantings of spring wheat in tests made by Kansas farmers and the agricultural experiment station have shown conclusively, Throckmorton said, that spring wheat is not adapted to Kansas climatic and soil conditions. "Much better use can be made of land where winter wheat was to have been grown by planting some other spring seeded crop than by seeding spring wheat," the agronomist asserted.

The results of 20 years of test plantings of spring wheat at the experiment station at Manhattan indicate that an average yield of 7.5 bushels per acre can be expected, as compared with an average of 32.7 bushels per acre for winter wheat.

Throckmorton urged that eastern and central Kansas farmers plant oats or flax instead of seeding spring wheat. "If the field is not to be returned to wheat in the fall of 1942, other crops that could be grown include soybeans, one of the sorghums or sweet clover," he concluded.

Jobs for Chemical Engineers

Five chemical engineering seniors at Kansas State have obtained positions with the General Chemical company, which operates about 30 chemical plants in the country. The men are Murlin Howerton, Newton; Harold Magnus, Arkansas City; Robert D. Scott, Manhattan; M. C. Suderman, Hillsboro, and Edmund L. Weber, Kansas City.

Yearbooks To High Schools

Copies of the Royal Purple, College annual, will be sent to 40 high schools over the state, it was announced this week by the Student Council. The council, which purchased the books, will send them to the high schools from which the most students are enrolled at Kansas State. C. J. Medlin, graduate manager of publications, stated that he thought this was one of the best means of publicizing the College.

WILL ORGANIZE NUTRITION COUNCILS IN COUNTIES FOR NATIONAL DEFENSE

Dean Justin Will Tour State with Regional Representative of Federal Security Agency

To organize county nutritional councils for national defense, Dean Margaret M. Justin of the Division of Home Economics and Miss Ruth McCammon, regional nutritional director, Federal Security Agency, will tour counties in northwestern Kansas from February 23 to 28.

Dean Justin, who is chairman of the state committee on nutrition in relation to national defense, and Miss McCammon will visit Hays, Wakeeney, Quinter, Oakley, Sharon Springs, Goodland, St. Francis, Atwood, Colby, Oberlin and Norton.

Similar local councils, composed of health and civic leaders, are already functioning in many counties under the direction of home demonstration agents.

Until her recent appointment as nutritional director for Kansas, Missouri, Arkansas and Oklahoma, Miss McCammon was state home demonstration agent for Colorado. She is a graduate of Kansas State College and received her master's degree here in 1932. She made an organization visit to the College campus last Wednesday and attended the Division of Home Economics staff dinner.

ATKESON SAYS MANY FARMERS FAIL TO GET MOST FROM FEED

Dairymen Overfeed Some Producers, Underfeed Others, Says Specialist

A dairyman's profits are determined by getting the most milk from a given amount of feed, according to F. W. Atkeson, head of the Department of Dairy Husbandry.

"Too many farmers waste a lot of good feed by feeding their cows about the same amount of grain mixture, regardless of the amount of milk the cows produce," Atkeson stated. "They overfeed the low producers and underfeed the high producers," he added. The grain mixture in the dairy cow ration should be weighed or measured, each cow receiving an amount proportionate to her milk production, Atkeson advises.

A common "rule-of-thumb" for dairymen to follow, Atkeson believes, is to feed Jersey and Guernsey cows at the rate of one pound of grain to three pounds of milk. Holsteins, Ayrshires, Brown Swiss and Milking Shorthorns should be fed at the rate of one pound of grain to each four pounds of milk produced.

"The physical condition of the individual animals will sometimes make variations in these ratios necessary," Atkeson said, "and the above suggestions are made upon the assumption that the cows will be given all the roughage they will clean up readily."

EVERYDAY ECONOMICS

By W. E. GRIMES

"In a democracy an attempt is made to maintain a balance between individual rights and the rights of the group."

Every piece of land has two owners. One of these owners is the individual or the group of individuals who hold the deed to the land. The other owner is the government. The right to own the land is granted by the government, but it is a limited right. The government retains a part of the right to the income from the land. This right of the government is exercised through taxation which takes a portion of the income from the land.

The right to use the land also is a limited right. The one who holds the deed and who usually is spoken of as the owner of the land is restricted in the uses he may make of it. He may not use it in ways that would be a nuisance to others and he may not use it in ways which are prohibited

by law. If the interests of the group will be furthered best by displacing the owner, the government has the right to do this through the exercise of the right of eminent domain or the right to requisition.

Property rights in land and in all other forms of wealth and income are socially given rights and are limited by the rules of society which are usually spoken of as laws. In a democracy an attempt is made to maintain a balance between individual rights and the rights of the group. This balance is well illustrated by the division of rights to the use of and the income from land. These things are shared by the individual and by the government which represents the group.

ATHLETICS DEPARTMENT PLANS NEW PROGRAM FOR EMERGENCY

WILL TRY TO REACH GREATER NUMBER OF MEN

Couch Adams Announces Every Able-bodied Male Student Will Be Encouraged to Try Out for Football Squad

An enlarging of the football practice squads during the national emergency in cooperation with the federal government's conditioning program was announced this week by Hobbs Adams, football coach at Kansas State.

At a meeting with students Tuesday afternoon, Adams outlined a program under which every student able to report was invited to try out for the College squad. Spring football drills will start March 1 after several days of toughening-up exercises.

LOSE TO MISSOURI

The faculty athletics committee at Kansas State has voiced its approval of the new program. Dr. H. H. King, chairman, said he felt the proposed program was of great importance in helping to build up the stamina and courage of college boys who may be serving in the armed forces in the not-too-distant future.

The Wildcat basketball squad dropped its sixth conference game of the season Saturday night to the University of Missouri Tigers, 36-44. With this defeat the cagers sank into the cellar position in conference standings.

Al Rues, Parker, and Ed Darden, Manhattan, led the Kansas State trackmen to a 69 2-3-34 1-3 victory over the University of Kansas team Saturday afternoon. Rues and Darden shared high-point honors for the meet with two first places each.

SWIMMERS BEAT NEBRASKA

Jim Upham, dash man from Junction City, broke his last year's record of 53 seconds in the 440-yard dash when he turned in the time of 52.6 seconds in the event. Rues won the mile-run event in 4:27.2 for a new meet record. Next week the Wildcats will meet the University of Nebraska tracksters at Nebraska.

The K-State tankmen kept their conference record clean Friday night when they scored their second conference win of the season, triumphing over the University of Nebraska Cornhuskers 47-37 in the pool in Nichols gymnasium. They will meet the Iowa State swimmers in another home meet Saturday.

AUBEL ADVISES FARMERS TO REDUCE PIG LOSSES IN VIEW OF HIGH PRICES

Experiment Station Specialist Says Saving Process Should Begin Before Sow Is Bred

Because of the increased demand for pork, swine producers should do everything to reduce the 30 per cent loss of pigs which is likely to occur before weaning, Dr. C. E. Aubel, hog specialist at the Kansas Agricultural Experiment station, said today.

Doctor Aubel believes that hog raisers should "start to save the pigs before the sows are bred." The disposition of the sow, he points out, can be much improved by gentle care and treatment before farrowing time. The sow with an excitable disposition is not likely to save as many pigs as a sow having a quiet, gentle disposition. Housing and feeding the sow correctly before farrowing, Doctor Aubel points out, should decrease the number of pigs in a weakened and unthrifty condition.

Another important factor which increases losses is the pig-eating sow. Such an abnormal appetite, he explains, usually results because the sow has not received enough animal protein, such as is found in tankage and dairy by-products.

Quite often, Aubel says, pigs are lost when the sow tramples on them or crushes them when she lies down. A guard rail extending about six or eight inches out from the side of the pen and about the same distance from the floor will save the lives of many pigs, Doctor Aubel states. He advises the use of bedding which will not hinder the pigs from moving about over the floor. The bedding can be changed frequently to keep it dry, and just enough should be used to cover the floor and keep the pigs warm.

The stone fence of the old Blue-mont farm was built in 1869.

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NEW DEFENSE COURSE DESIGNED TO TRAIN WOMEN FOR INDUSTRY

CARLSON POINTS TO SHORTAGE OF SKILLED LABOR

Feminine Trainees Will Get Full-Time, Intensive, Tuition-Free Study Period in Product Inspection at College

Plans for a new type of Defense Training course at Kansas State College—one designed exclusively for women—have been announced by Prof. W. W. Carlson, Defense Training program director here. The course, Product Inspection, was approved by President F. D. Farrell and sent to Washington for the approval of the U. S. Bureau of Education.

The tuition-free course, explained Professor Carlson, "will have for its objective the training of women for work in industry."

WILL NEED WOMEN

He recalled that war production leaders had predicted the nation's vast arms program would soon demand for war industries alone the employment of some 25 million of the nation's total of 54 million laborers. The nine million men which the armed forces themselves are expected to require will bring the number engaged in fighting, training to fight, or producing for the war to approximately 34 million.

The result of such a vast program at a time when millions of men are going into the armed forces will be the employment of women by industry in ever increasing numbers.

GOVERNMENT PAYS TUITION

It is this "inevitable" need of industries, said Professor Carlson, that the new course—and to a lesser degree others—is intended to meet. He specifically listed the needs of ordnance and airplane plants. The defense training program here has been offered to a number of women, but this is the first course intended exclusively for them.

The course will be a full-time, 12-week intensive period of study, with tuition paid by the federal government and only personal expenses left to be covered by the student. Requiring only graduation from high school, Product Inspection will begin as soon as enough women make application for it.

NEED FOR LEATHER MAKES FARMERS CONSCIOUS OF WARBLE FLY LOSSES

Cattle Raisers Should Take Steps to Eradicate Pest, Says Entomologist G. A. Dean

Losses of approximately 60 million dollars annually in cattle hides as a result of warble holes have caused farmers to begin inquiring about the control of the warble fly, according to Dr. R. R. Dykstra, dean of the Division of Veterinary Medicine. The fact that more leather is needed and that farmers are becoming "defense" minded is starting action to eradicate the fly.

In Kansas the presence of the warble may be discovered during December when small swellings appear along the back of the animal. Soon the small grub makes an opening in the hide and in doing so damages it.

George A. Dean, head of the Department of Entomology, has outlined methods of control of the warble fly by disrupting its life cycle.

Professor Dean says that the best method of controlling the warbles is to remove the grubs from the backs of the animals by squeezing them out and then destroying them.

Another method, he advises, is to treat the animals' backs with a dip consisting of one pound of derris powder (containing 4 or 5 per cent rotenone), four ounces of white flaked soap and water enough to make one gallon of dip. This mixture should be brushed into the hair as often as the warbles appear.

"If all farmers will cooperate in the control of the warble fly, the losses to hides and meat will soon decrease," Professor Dean said.

English Sculptor Lectures

Alec Miller, English sculptor and lecturer, spoke to College students and faculty members last Thursday on the subject "Tendencies in Modern Sculpture." His lecture, in the chemistry and physics building, was illustrated. Mr. Miller, who comes from Chipping Campden, Gloucestershire, came to the College as the D. Everett Wade fund lecturer of the American Institute of Architects.

MRS. C. A. KIMBALL, ONCE ACTIVE IN POLITICS OF KANSAS, DIES HERE

Former Student Campaigned for Suffrage. Was First Woman Presidential Elector from This State

The death here February 20 of Matie (Toothaker) Kimball, f. s., closes the career of one of the College's most politically active and influential alumnae. Mrs. Kimball, who would have been 71 February 23, died of coronary thrombosis at 1730 Houston, Manhattan, where she lived with her husband, Judge C. A. Kimball, B. S. '93.

Mrs. Kimball campaigned for suffrage with Jane Addams and Laura Clay in Kansas in 1912 and was a secretary of the State Suffrage association. She was president of the Woman's Kansas Day club, first president and founder of the Kansas Council of Women, first woman presidential elector for Kansas, in 1920, state president of the Kansas League of Women Voters and was head of the women's Kansas publicity bureau in Topeka in the Harding campaign.

Mrs. Kimball was a past president of the Fifth District Federation of Women's clubs and a life member of the Kansas Authors' club. She was affiliated with the Congregational church and several organizations in Manhattan. Author of a booklet of verses and a number of newspaper and magazine articles and poems, she was listed in Women's Who's Who in 1914 and 1915.

She is survived by her husband, a daughter, Mary (Kimball) Tomson, '28, Des Moines, Iowa; and a son, Solon T. Kimball, '30, Window Rock, Ariz. Funeral services were Monday afternoon at the Congregational church. Burial was in Sunset cemetery.

ALPHA PHI OMEGA MEMBERS DONATE BLOOD TO NEEDY

Twenty-five Kansas State College men are listed at the St. Mary hospital as voluntary donors of blood for transfusions. This is one of the latest projects for Alpha Phi Omega, honorary national service fraternity.

Each member's blood type is kept on file so that when a call comes for a certain type blood Sister Dolorine, the hospital technician, may call the APO with that type wanted.

On reaching the hospital, the donor is taken to the operating room where up to a pint of blood is taken from him. The blood is either placed in a bottle directly from the donor's body and taken to the receiver or it is put in a centrifuge, which separates out the plasma. In the latter case the plasma is stored in a refrigerator until needed. In this way the plasma may be used for sufferers of severe shock, who need plasma more quickly than in the case of regular transfusion.

The fees for the transfusions for which members of Alpha Phi Omega have given over a gallon this year are from nothing to \$15, depending upon the receiver's ability to pay.

Martin at Camp Crowder

Walter W. Martin of Pratt, who was graduated in the Department of Industrial Journalism and Printing in 1941, is now stationed with the U. S. Army at Camp Crowder, Mo. In a letter to the journalism department Martin told of his recent appointment as official detachment correspondent for the camp newspaper which appeared for the first time last week. Martin is serving with the quartermaster corps.

One Will Be Engineers' St. Patricia



One of these eight Kansas State College coeds will be named by the engineering students as St. Patricia to reign with St. Pat at the prom climaxing the annual Engineers' Open House activities in Manhattan March 13 and 14. The nominees are: Top row, left to right: Phyllis McFarland, Kappa Kappa Gamma; Ruth Weigand, Pi Beta Phi; and Lucille Brown, Independent, all of Topeka; Sylvia Bergling, Independent, Ludell. Bottom row, left to right: Beverly Hills, Chi Omega, Colby; Hermagene Palenske, Independent, Alma; Margaret McCutchan, Kappa Delta, Lost Springs; and Shirley Kilmer, Independent, Kirwin.

Candidates for St. Pat are: Kenneth Hamlin, Manhattan, Department of Electrical Engineering; Arthur Fillmore, Augusta, Department of Architecture; Robert Gilles, Kansas City, Department of Civil Engineering; Robert Deatz, Hutchinson, Department of Chemical Engineering; Marion Miller, Topeka, Department of Agricultural Engineering; and John St. John, Wichita, Department of Mechanical Engineering.

CHRONICLE OF ENGINEERS' OPEN HOUSE IS STORY OF TECHNOLOGICAL PROGRESS

At 24 years of age, the annual Engineers' Open House, to be held at Kansas State College March 13 and 14, is a robust, still-growing child. However, past records reveal it had its ups and downs before it attained its present position as a big crowd-drawer.

Indeed, when the Open House first started back in 1917 it was called the "Field Day"—a part of Farm and Home week—and had very little to do with engineers. After that it grew to be an informal "engineers' open house," but it wasn't until 1929 that it was made solely an engineering project.

This year's Open House is going to be a far cry from the first exhibitions of 1917. In that war year the College newspaper devoted only a single paragraph to the engineers' show.

This year every section of the Division of Engineering and Architecture will be striving to improve the interest of numerous already well-known exhibits as well as to introduce educational innovations.

The exhibits since the beginning of Open House reveal the advancements that have been made in engineering during the past 24 years. In 1921 the

outstanding exhibit was the farm lighting set. Automobiles, tractors and farm machinery also shared the spot light. In 1925 the electrical engineers stole the show with a model of a farm home completely equipped with the latest electrical devices.

The newly-discovered rayons, fur-fur and plastics were the high-lights of the 1930 exhibits. A television receiver and transmitter drew large crowds in 1934.

Since that year there have been many exhibits featuring sodium vapor lights, airplane sound detectors, mirror phones, pumping plants, etc.—not to mention the ever-popular Osculometer, which measures the "intensity" of kisses.

The custom of choosing a coed for "St. Patricia" began in 1932. That year Miss Vera Bowersox, then of Great Bend, was the first of the queens.

A trophy offered by Steel Ring, honorary engineering organization, goes each year to the department having the best exhibit. The Civil Engineers won it in 1941. If they can retain it for two more exhibits they will get permanent possession of it.

COLLEGE ALUMNUS HONORED BY HORTICULTURAL SOCIETY

Dr. Frank A. Waugh, '01, Awarded George Robert White Gold Medal

Dr. Frank A. Waugh, '91, was recently awarded the George Robert White gold medal of honor by the Massachusetts Horticultural society. Doctor Waugh is emeritus professor of landscape architecture at Massachusetts State college.

The rarely given medal is considered one of the highest honors in the field of horticulture, in which Doctor Waugh has been active since he graduated from Kansas State College. He organized the division of horticulture at the Massachusetts State college, with which he has been connected for 40 years. He has carried on extensive field work and experiments in many branches of horticulture.

Doctor Waugh's publications in ecology and physiography have been looked upon as basic to an understanding of the natural landscape and fundamental to landscape architecture. His work on systematic pomology—the science and practice of fruit growing—opened an entirely new field in this branch of science.

What! No Sweets!

The "candy pledge"—abstaining from candy as a means of conserving the sugar supply—was the sacrifice that women students of 1917 made during World War I. Sororities, literary societies, and many other clubs took up the idea, and refused to eat candy bars and other sweets between classes. Perhaps it will not be long until college coeds during World War II will make a similar pledge—"coke pledge" or a "sweets pledge."

Send Out YWCA Ballots

Nominations for the College YWCA offices will be made this year by mail ballots which are being sent to more than 750 women students this week. The ballots will be filled in and returned to the YWCA office by the first of March. Following tabulation by the nominating committee, the list will be presented to all YWCA members for election on March 4. Included on the nominating committee will be representatives from the advisory board, the YWCA cabinet, one of three other members who will be elected, and Miss Erma Murray, secretary.

WOMEN GIVEN SPECIAL TRAINING HERE CARRY NUTRITION MESSAGE

STRIVE TO ENCOURAGE BETTER EATING HABITS

Small Group of Kansans Who Completed Home Economics Refresher Course on Campus Expanded to More than 200

Expanding from a nucleus of 20 women who met for a refresher course at Kansas State College last July, 214 home economics trained women now are telling the story of health through proper nutrition to civic, social and school organizations of the state.

Dean Margaret M. Justin, of the Division of Home Economics, who is chairman of the state committee on Nutrition in Relation to National Defense, has reported to Gov. Payne Ratner that these women have completed refresher courses in nine cities and that classes are being formed in new communities.

MANY ALUMNAE SERVE

Courses have been held in Pittsburg, Topeka, Wichita, Hays, Kansas City, Colby, Manhattan, Ottawa and Independence.

The women, many of them graduates in home economics from this College, are acting as staff members of an unpaid lecture bureau, teaching the proper use of food for health.

In Riley county, directed by Mrs. H. L. Ibsen, 51 women from Manhattan and neighboring towns have completed the special study and the training of another group of 34 is under way.

SOME DRIVE 30 MILES

Mrs. Gerald Waggoner taught the classes in Pittsburg, Hays and Independence; Miss Katherine Tucker in Topeka; Mrs. Z. H. McDonald, Mrs. S. A. Giles, Mrs. Francis Cox and Mrs. Ruth Burns, in Wichita; Mrs. Chester Richards, Kansas City; Mrs. William Schroeder in Colby; Mrs. Ibsen in Manhattan; and Miss Marie Shields in Ottawa. Twenty-seven communities were represented in this group, some of the women driving from 25 to 30 miles regularly to attend the classes. All are volunteering their services.

15 HOME ECONOMISTS WHO RECEIVED DEGREES IN JANUARY GET POSITIONS

Six Are Employed as Teachers; Three in Home Demonstration Work; Two Are Student Dietitians

Fifteen graduates of the College Division of Home Economics have been placed since their graduation at the end of the fall semester.

Mary Ann Bair, Wamego, is with the Gas Service company at Joplin, Mo. Laura Lee Kubin, McPherson, is with a bomber plant in Kansas City, Mo. Helen McVey, Hill City, and Erma Neeley, Hopewell, are working on WPA school lunch projects with headquarters in Topeka.

Those with teaching positions are Joyce Dryden, Stockton, at Beloit; Olivia Dunham, Jewell, in South Dakota; Marcella Horner, Haviland, at Edgeley, N. D.; Florene Langenegger, Burns, at Dwight; Margaret Salsner, Wichita, at Norton; and Blanche Stacy, Byers, at Abilene.

Shirley Pohlenz, Freeport, and Gladys Boone, Toronto, are doing home demonstration work in Missouri. Helen Loofbourrow, Scandia, is in home demonstration work in Kansas. Student dietitians are Dorothy Montgomery, Sabetha, at the Indiana hospital in Indianapolis; and Irene Kenneck, Wichita, at Montefiore hospital in New York City.

Speech Contest March 9

The Intersociety Council of the four College literary societies has set the annual speech contest for March 27. Each of the societies, Athenian, Hamilton, Browning and Ionian, will have two representatives. Formerly the contest was oratorical, with only one representative from each society. This year the contest will be extemporaneous.

The KANSAS INDUSTRIALIST

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CHARLES M. PLATT, JANE ROCKWELL, PAUL L. DITTMORE, ALBERT HORLINGS, Associate Editors
KENNEY FORD, Alumni Editor

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WEDNESDAY, FEBRUARY 25, 1942

WHAT CAN WE DO?

To the statement made so frequently these days that "the people are complacent," the average citizen is likely to answer in exasperation, "What do they expect me to do—wear a stuffed eagle on my hat? I know there's a war, but what can I do?"

There is more than a little sense in this reaction. The spread of hysteria would end complacency but hardly could be expected to further successful prosecution of the war. Victory will require that some 95 million Americans "carry on" in their present work, without unnecessary changes in their living habits.

It can not be expected that the declaration of war could force upon us all the instant appreciation of all the implications of total war. Neither should it be so—the shock would be unbearable. The full meaning of all profoundly important events—the death of a loved one, for example—is grasped slowly, over a period of time. So it must be in this case.

Nevertheless, there are many things the restless citizen can—and eventually must—do to help make sure the cost of victory is not needlessly high in human privation and sorrow.

One of the most worth while contributions we can make requires a growing awareness of some of the economic aspects of our production program. In months to come a drastic curtailment of the production of consumer goods will be accompanied by a considerable addition to the national income. It is not difficult to understand vaguely that, with fewer goods available, many Americans are going to have to submit to a reduced standard of living.

But to keep these facts constantly in mind and to act upon them—that is another matter. It requires little patriotism or generosity to accept sacrifice under constraint. The touchstone of our contribution, in this respect, will be the degree to which we voluntarily accept a lower standard of living—the extent to which, acting upon our own initiative, we curtail our purchases of everyday articles which we can afford and feel we need, in order that those whose resources are less than our own may not be compelled to carry part of the burden which is rightfully ours.

The Congress already has passed a price control bill, and Administrator Henderson reports that 45 to 50 per cent of the commodities in the wholesale price index already are under some sort of formal or informal price control. Greatly increased taxes will skim off some of the surplus billions of income which will be bidding for the shrinking supply of consumer goods, and a growing number of items will be rationed in order that the available goods may be distributed fairly among all.

But these measures will be insufficient if we are to avoid both a disastrous inflationary movement and a needless and costly rationing program for nearly all commodities. We can take an important part in the war effort through self-enforced contraction of our buying programs. The housewife can limit her purchases of certain scarce foods, using available substitutes, and postpone the addition or replacement of many convenient household appliances. The landlord

can ask a lower rental than demand factors dictate. The business man can order his supplies to fit immediate needs. The average citizen can restrain his desire for pleasure and convenience and in many instances forego the satisfaction of very real needs.

If, in addition, the person who follows this course invests part of the money saved in defense stamps or bonds or otherwise contributes it to the war effort through tax channels, Red Cross donations and the like, he need have no fear that he is not making an important contribution to the successful waging of the war. In thus disciplining himself he will also inevitably become more keenly alert to other opportunities open to him for war service in his own community and area, and more intelligently aware of developments here and abroad, of measures taken and planned by the United Nations to prosecute the war. In all probability, he will apply himself to his own job with more enthusiasm and diligence. The war will be his war, and the restlessness, the feeling of futility and helplessness, will trouble him no longer.

MUSIC

Kansas City Philharmonic Orchestra Concerts

Sponsored by the Students' Governing association Celebrity Series, the Kansas City Philharmonic Orchestra, under the leadership of Karl Krueger, gave two concerts in the College auditorium, Tuesday. The concerts were well attended and enthusiastically received. The orchestra, playing with great sonority and richness of tone, was very sensitive in its response to the demands made upon it by Mr. Krueger. Mr. Krueger conducts with great clarity and assurance. His interpretations are never sensational, but reveal a warmth of musical feeling and a soundness of musical judgment.

Tchaikovsky's "V" Symphony (the Fifth) was the principal number of the evening program. It was given a stirring performance, more impressive in the larger aspects of the work than in its detail. The work exhibited the skill of the woodwind section as soloists, especially the clarinet and bassoon. The well-known horn solo in the second movement was also well played.

Preceding the Symphony was Weber's Overture to Der Freischuetz. This work, perhaps more so than any other during the evening, succeeded in creating carefully contrasted moods of great beauty and impressiveness. The horn quartet in the first part of the Overture was very lovely.

After the intermission, Miss Lois Craft played the Concerto in C minor for harp and orchestra by Albert Zabel. This is cleverly contrived music for harp, which utilizes all of the tonal possibilities of the instrument. Miss Craft played with great ease and certainty. She also captured the changing moods of the music very expertly.

The program ended with the First Roumanian Rhapsody of Georges Enesco. With its varied moods, folk themes, dance-tunes, particularly a lively hora, modal melodies, and shifting orchestral tone color, this composition was brilliantly played.

Mr. Krueger generously added a number of encores, two Intermezzi from The Jewels of the Madonna by Wolf-Ferrari and Espana by Chabrier.

At the afternoon concert, the orchestra played the Overture to A Midsummer Night's Dream by Mendelssohn; the Symphony Concertante for violin and viola by Mozart, with Samuel Thaviu, concertmaster, and Harold Newton, viola, as soloists; the Moldau by Smetana, and Strauss' Blue Danube Waltzes. Mrs. T. J. Strickler, soprano, sang the Bach-Gounod Ave Maria and The Wren by Benedict.—C. W. S.

PROMOTE KNOWLEDGE

In proportion as the structure of government gives force to public opinion, it is essential that public opinion be enlightened. . . . Promote, then, as an object of primary importance, institutions for the general diffusion of knowledge.—George Washington in his "Farewell Address."

KEEP ON WORKING

Because the number of 65-year-olds who choose to keep working in-

SCIENCE TODAY

By R. M. KERCHNER

Professor, Department of Electrical Engineering

Although the electric clock did not appear on the market until about 1928, it was before the beginning of the present century that a few individuals saw the possibility of applying the pulsations of alternating current to make some kind of timing device. Nothing came of these visionary ideas until 1916, at which time an effort was made to develop a means of applying the pulsations of alternating current to a timing mechanism. The culmination of these efforts is the common electric clock.

The principle upon which the electric clock operates is simple. As nearly everyone knows, 60-cycle alternating electricity flows first in one direction for one-one-hundred-and-twentieth of a second, then reverses and flows in the opposite direction for an equal interval of time, with this complete cycle repeated sixty times every second. When an electric current of this frequency is applied to a coil of wire wound on an iron rod, each end of the rod will alternately be made a north and then a south magnetic pole 60 times per second. If one end of a magnet such as a magnetic compass needle is brought in the vicinity of the end of such a rod, the magnetism will cause the end of the needle to be alternately attracted and repelled. It is this attraction and repulsion occurring at regular intervals that is utilized to make the electric clock run.

That part of the clock which receives these impulses and is thereby caused to rotate is called the rotor. At some definite speed, called synchronous speed, for any particular clock the impulses of magnetism will occur at exactly the proper time to keep the rotor turning. If the rotor runs at any other speed these impulses tend to drive the rotor alternately in one direction and then the other which results in an average turning effort of zero and the clock stops. For this reason the non-self-starting type of clock must have its speed brought to the proper value manually before it will continue to run. The speed at which the rotor turns varies in different clocks but usually falls within the range from 3 to 60 revolutions per second.

Since the speed of the rotor in any particular electric clock depends only upon the frequency of the pulsations of current supplied by the power company, there is nothing that the customer can do to regulate the speed of the clock. If the power company regulates the frequency of the current supply, the electric clock under normal conditions will keep accurate time. Although it was not until about 1916 that any power company made a serious effort to keep the frequency of their current sufficiently constant for the satisfactory operation of electric clocks, it is estimated that over 90 per cent of the power companies

now regulate their frequency sufficiently for this use. Records kept on a large interconnected system show a maximum deviation for electric clocks from standard time of 44 seconds during a five-month period. Another system showed only 9 seconds maximum deviation from standard time for the same period.

During recent years there has been an increased effort on the part of the power companies to reduce the maximum variation of electric clocks from standard time. As a result there are now some systems on which clocks will vary only 3 or 4 seconds and even less from standard time at any time. In general, the average deviation over long periods of time will be zero. This means that at some time when a clock on a power system might be a few seconds slow the system frequency is raised sufficiently to allow the clock to gain until it is again indicating correct time.

The electric clock is built in a great range of sizes and is used for many applications where a timing device is required. From small models costing less than a dollar, it varies in size and price to clocks several feet in diameter costing hundreds of dollars. The power output of the motors driving these clocks ranges from less than one-millionth to more than one-tenth thousandth of a horse power. The larger amount has been found adequate for driving tower clocks 10 or 12 feet in diameter. The power output of these motors seems small when compared with commercial motors but it is nevertheless adequate for time-keeping duties, and many times greater than the power output of ordinary spring clock motors.

An interesting example of electric clock size is presented by the tower clock installed on the Williamsburgh Savings Bank, at Brooklyn, N. Y. There are four dials, each being 26 feet in diameter. One pair of hands alone weighs 700 pounds. The hour hand sleeves are of steel and their outside diameter is 4 inches. The power requirements for this clock are small, less than one-thousandth of a horse power being adequate to drive the hands even during a heavy wind.

In addition to its use as a simple clock, the electric timing device is used in many types of instruments. The electrical industry has been using it for several years in connection with demand meters where its application has reduced maintenance costs, increased the accuracy, and caused less trouble than spring clocks. Loads which are very heavy for a spring clock are comparatively trifling for the electric clock. Some of the many other applications of the electric time-keeper are found in time switches, temperature controllers, traffic signals, time and cost recorders, program machines, time stamps, etc. The adaptability, flexibility, reliability, and convenience of the electric timer makes it applicable to unlimited fields of usefulness.

the farm home editor for the Capper Farm Press, Topeka, and also had charge of the women's department.

George M. Drumm, '21, received a scholarship and also a fellowship at Iowa State college, and started his postgraduate work the first of January. Drumm was in charge of the purebred Guernsey herd of the White Motor company at Cleveland before going to Ames.

THIRTY YEARS AGO

Al G. Strong, '11, was working for the Westinghouse Electric company at Pittsburgh, Pa.

Charles Jacobus, '09, was assistant foreman in the testing department of the General Electric company, Schenectady, N. Y.

W. H. Sanders, '90, was employed by the Furst-Clark Construction company as superintendent of dredges on the North New River canal, Ft. Lauderdale, Fla.

FORTY YEARS AGO

President E. R. Nichols, Regent Fairchild and Professors Willard and Cottrell spent one day investigating conditions on the Fort Hays farm.

J. B. Norton, '97, resigned his position as assistant entomologist of the Experiment station and went to Washington to take a position as scientific aid in the bureau of plant in-

dustry of the United States Department of Agriculture.

FIFTY YEARS AGO

At the regular meeting of the Scientific club papers were presented by Professors Hood, Willard, Breese and Marlatt.

J. B. Brown, '87, Signal Service observer at Nashville, Tenn., wrote an article, "A Plea for Pure Science," which appeared in the Tennessee Journal of Meteorology.

The College was represented at the Osborne Farmers' institute by Professors Olin, Kedzie and Mason. Doctor Mayo attended meetings of farmers at Dodge City and Garden City.

SIXTY YEARS AGO

The last of the series of Farmers' institutes was held at Burlington, Coffey county, with President Fairchild and Professors Shelton and Fair-lyer in attendance.

At the meeting of Alpha Beta society the question, "Resolved, That the government should own and control the railroads," was discussed by Messrs. Miller and Deltz on the affirmative, and Messrs. Jones and Helmick on the negative.

KANSAS POETRY

Robert Conover, Editor

TIME

By Myra Perrings

Time looks before and back
And winks at every change,
No word is new to him,
No face is strange.

He is not young nor old
But at eternal noon
That knows no yesterday,
No late nor soon.

Time looks unmoved upon
Man's conquest or defeat;
The stars that rise, will set
Beneath his feet.

Myra Perrings of Topeka has had many poems published in magazines, anthologies and poetry columns.

SUNFLOWERS

By H. W. Davis

BLEACHERITES

It is beginning to become evident, painfully evident at times, that war, as well as baseball and football, has its bleacherites and hot-stove quarter-backs.

If the play goes blooey, the fans howl in agony. If the home team loses, fans are dejected and wolfish.

It is very, very easy to think and say that such things should not be—that today all we need is unity, everybody backing the team one hundred per centum, nobody even so much as hinting that something may be wrong. "There should be laws with long sharp teeth in them against such thinking and talking. Non-boosters should be put in concentration camps." (Babbitt, maybe.)

Yet criticism continues to break out in human beings, be they senators or insignificant members of the electorate, playboys or paupers. And when the howling gets loud enough and continuous enough, something invariably happens; and the strategists try out a new strategy, a new offense, a new defense.

The strategists do not always admit they are willing to try something new. Often they will not admit making changes even after they have made them, and everybody knows it as well as they do.

So the new idea gets going, and either succeeds or fails. And the bleacherites come in with cheers or jeers. If it is failure, the jeers eventuate in another loud, continuous howling, which after a time results in new strategies. So on and on goes the fracas until the season is over.

I don't always like the methods or the manners or the fairness of the bleacherites, but I think they are essential, and ultimately very, very wholesome. I do not think they should be reviled and scolded for being bleacherites. They pay and pay the salaries, remember; and their mass intuitions are sometimes keener than the conclusions of the finest experts. Their hearts and hopes, for the most part, are right.

In Germany and Japan there are no bleacherites. Hitler and Tojo have ways of fixing folks so they can only cheer.

AMONG THE ALUMNI

H. W. Avery, Wakefield, B. S. '91, visited in the Alumni Office February 5, and presented the Alumni Association with a rare old book, *The College Symposium*, published in 1891. The book, written by students and faculty members in that year, contains "a complete and authentic history of the institution and its various departments; short sketches of the faculty and graduates; accounts of all student organizations; extracts from society papers, student orations, etc." Mr. Avery was one of the literary editors of the book.

C. A. Kimball, B. S. '93, was recently the speaker at the annual dinner of the Riley County Historical society. Among the things discussed in his talk, "The Kimball Family and Early Riley County History," were the early days of College Hill community; letters dating from 1835; Isaac T. Goodnow's diary; and minutes of Blumont Central college association. Mr. Kimball is owner of the Kimball Printing company in Manhattan. He lives at 1730 Houston, Manhattan.

E. L. Cottrell, B. S. '99, Route 3, Manhattan, visited the Alumni Office and filled out his news blank as follows: "Farming, stock raising—when it rains we raise corn, wheat, oats, rye, alfalfa, sweet clover, Kafir corn. We also raise hogs and cattle. They eat nearly everything raised on the farm!"

Helen (Huse) Collins, D. S. '08, and the Rev. Myron S. Collins, f. s., are at 1159 National Road, Wheeling, W. Va. Mrs. Collins writes that her husband was appointed in September district superintendent of Wheeling District of the West Virginia Methodist conference. Mrs. Collins is secretary of student work in the West Virginia conference. They have a daughter, Eleanor Doris, who is a sophomore at Ohio Wesleyan university, Delaware, Ohio.

Florine (Fate) Wendt, H. E. '11, Route 2, Marshfield, Mo., writes, "I live on the farm with my 16-year-old son, Robert, who attends high school." Her husband, Arthur Wendt, died last year following a long illness.

Ralph B. Smith, C. E. '13, Prof. in Engineering '18, has spent most of the past ten years in personnel work in government service until 1939, and has been with the Vega Airplane company, Burbank, Calif., as employment manager for the past two years. He and Mrs. Smith live at 4151 Greenbush Avenue, Van Nuys.

William A. Lathrop, M. E. '15, is in the accounting organization of Engineer and Manufacture staffs of Western Electric company, Inc. He handles the development engineering investigation case work, over-all results, and renders technical service to related organizations through investigation case work. He and Winifred (Hamilton) Lathrop live at 142 Watchung Avenue, Chatham, N. J.

W. R. Bolen, Ag. '16, has the title of supervisor of agricultural extension work at large, U. S. bureau of Indian affairs. He has been in that position since July, 1939, and his time has been devoted to land use and agricultural planning. He and Mildred (Hill) Bolen have a daughter, Ella Jean, born July 10, 1941. They live at 462 Federal Building, Salt Lake City, Utah.

W. Harrison Brookover, Ag. '18, and Marjory (Simpson) Brookover, H. E. '20, have a general store, gas and oil business at Eureka, Kan. They have three sons. The eldest, Harrison, Jr., plans to enroll in Kansas State College next year. Robert J. is 12, and James Mason is 5. Mr. Brookover is a member of the Eureka high school board, and has been secretary of the Greenwood county fair for 17 years.

Vern S. Crippen, Ag. '20, and Elsie (Griffin) Crippen, H. E. '18, live at 1527 Leavenworth, Manhattan. Mr. Crippen is farm security administrator at Eureka. Their daughter, Ellen, f. s., was recently married to Harold Bellairs, who is employed by the dairy department at the College.

Clarence H. McCandless, E. E. '21, and Lois (Wood) McCandless, H. E. '21, are at 16 Fairmount Boulevard, Garden City, N. Y. They have a son, Byron, now in senior high who is in-

terested in engineering, and a daughter, Mary Jean, interested in music and nursing. Mr. McCandless is development engineer with the Bell Telephone laboratories in Garden City.

Michael E. Ptacek, Ag. '22, and Jean (Hanna) Ptacek, G. S. '22, have their home at 104 N. W. 10th, Abilene, Kan. Mr. Ptacek is head of the United Trust company's farm management department in Abilene.

Roy L. Fleming, Ag. '23, is herdsman at the Essex County Agricultural school, Danvers, Mass. He and Lucy (Sturgis) Fleming moved to Danvers from Glenwood, Minn. Their address is 420 Maple Street, Danvers.

Sol M. Finney, R. C. '24, is manager of S. M. Finney and Co. Department Store, Portales, N. M. He and Blanche (Roberts) Finney have two children—Bartlett, 2, and Barbara Ann, 7.

Harry F. Lutz, R. C. '25, writes on stationery which tells that he is editor of the Western Times, official city and county newspaper, Sharon Springs, Kan. He is also owner of the Times. He and Jean (Dexter) Lutz, f. s. '32, have one daughter.

Garnet (Kastner) Carter, H. E. '26, called at the Alumni Office in January to report that she and her son, Alan, have evacuated from Newfoundland, where they had been for six months with Philip R. Carter, D. V. M. '26, Capt., base veterinarian at the U. S. Army base of Newfoundland. He remains in Newfoundland to continue his work, principally food inspection and work with the local health department on fresh milk supply. Mrs. Carter says that her address is 3736 47th Avenue South, Minneapolis, Minn., where the Carters lived prior to going to Newfoundland.

Forest L. Whan, G. S. '28, is professor and head of the department of speech and dramatic art, University of Wichita. He has charge of forensics, radio work, and the speech department, in which there are six full-time members. He and Geraldene (Cutler) Whan, f. s., live at 341 N. Vassar, Wichita.

S. S. Bergsma, Ag. '29, is teaching vocational agriculture in Ottawa high school, Ottawa, Kan. Since 1929 he has taught five years at Hill City and seven years at Howard, handling the vocational departments in both schools. Mr. Bergsma and Bertha (New) Bergsma, f. s., may be addressed at 1214 South Hickory Street, Ottawa.

Florence (Hull) Gordon, H. E. '30, and Foster A. Gordon with their two children, Ronald, 6, and Janet, 16 months old, live at 611 S. Ashland, Lexington, Ky. Mr. Gordon works for the Gilson-Taylor Construction company.

Lt. Lee Thomas Railsback, G. S. '36, D. V. M. '37, is veterinarian with the second cavalry regiment, Camp Funston, Ft. Riley, Kan.

J. Leroy Young, Ag. '38, is secretary-treasurer of the Kingman County National Farm Loan association. He makes and services Federal Land bank loans. He has completed two years service in the Federal Land bank of Wichita. He and Harriet (Corbin) Young live at 108 B West, Kingman, Kan.

Arthur E. Bock, M. E. '39, is teaching mechanical engineering at Virginia Polytechnic institute, Blacksburg, Va. He received his master's degree from the institute in 1940.

L. Raymond Shobe, M. S. '40, writes, "My work (with General Motors Inst., Flint, Mich.) is primarily teaching in the Plant Cooperative Training program, which is a four-year engineering course with alternate plant and school periods. I also teach in the Spare Time program, which provides an opportunity for employees of Flint industries to better themselves and thus qualify for better positions."

"There are over 1,700 individuals enrolled in the Spare Time Program alone; many of this number are of course enrolled because of the national emergency. The formal training of these individuals is quite varied. I am teaching algebra, calculus, engineering mechanics, and strength of materials. My teaching load is about 18 hours per week, and I enjoy my work very much."

Ralph E. York, B. A. '41, has sent a change of address, 601 West Iron, in Salina. He is still employed as file clerk with the International Harvester company.

LOOKING AROUND

KENNEY L. FORD

Mrs. Walter L. Latshaw, Salt Lake City, Utah, writes that the new officers of the Kansas Klub of Utah are J. Meffert Fraser, formerly of Manhattan, president; Everett J. Weeks, f. s. '26, vice-president; and Mrs. Edgar Bailey, whose husband is a Kansas-Stater, secretary-treasurer. The Founders' Day dinner and party was February 14 at the Latshaws' home in Salt Lake City.

The annual Kansas day Kansas State dinner party was held at the College club, Pittsburgh, Pa., January 29. Twenty-two were present. During the meeting, conducted by President R. D. Walker, new officers were elected. They are: Dudley Atkins, '13, 95 Crafton Avenue, Pittsburgh, Pa., president; H. T. Morris, '10, 821 Holland Avenue, Pittsburgh, Pa., vice-president; and Elizabeth (Relling) Walker—Mrs. R. D. Walker—Wilkesburg, Pa., secretary-treasurer.

The new officers took charge and Mr. Atkins appointed O. G. Rogers, '29, and Grace (Daugherty) Rogers, '29, Wilkesburg, Pa., J. Rex Morrison, '34, and Mrs. Morrison, Lester Tubbs, E. E. '17, and Madge (Austin) Tubbs, '19, to make arrangements for the summer picnic party. The remainder of the evening was spent at games. The tables formed a large K in the dining room and the place cards were made of small sticks and pennants.

MARRIAGES

MCANINCH—ALLEN

Carrie A. McAninch, Music Ed. '37, and Robert K. Allen were married January 21. Their present address is Duration Dormitories, Bremerton, Wash., where Mr. Allen is a Navy Yard employee.

JENSEN—SCHOONHOVEN

The marriage of Florence Jensen, G. S. '38, and Lt. Paul Schoonhoven, G. S. '39, M. S. '41, took place January 24 in San Diego, Calif. Lt. Schoonhoven is in the 204th C. A. (AA) San Diego, Calif.

ROBERTSON—VAN GORDEN

Bella C. Robertson, H. E. '26, M. S. '31, was married December 20, 1941, to Mr. Ray Van Gorden at the Wilshire Methodist church in Los Angeles. Their home is at 4307 8th Avenue, Los Angeles, Calif.

EVANS—BIRKELAND

Wilma F. Evans, H. E. '41, and Charles J. Birkeland, M. S. '41, were married Christmas day, 1941. They live at 1201 Moro, Manhattan. Mr. Birkeland is research assistant in horticulture, Kansas State College.

LECHNER—WEBB

The marriage of Elizabeth C. Lechner, Music Ed. '38, and Charles E. Webb, Jr., Chem. E. '41, was January 18. Mr. Webb is with Sharples Chemical company, in Wyandotte, Mich. Their address is 2725 Fifth Street, Wyandotte.

BROWN—LEIVE

Bernice Brown, H. E. '41, became the bride of Ernest Leive, E. E. '41, January 1, 1942. Mr. Leive is associated with the Santa Fe railroad at Topeka, where they will make their home after the close of Miller high school, where Mrs. Leive teaches.

BEALS—SAMUEL

Dorothy Beals of Evanston, Ill., and Ned Samuel, Arch. '36, were married in Evanston, December 22. They left for Washington, D. C., where he has a position as draftsman in the Navy department. Their home is at 5502 Johnson Avenue, Bethesda, Md.

KEISER—FLETCHER

Muriel Keiser and Vernet E. Fletcher, Ag. '27, were married at Hays, January 24, with the Rev. Joe Burns reading the vows. Mr. Fletcher is instructor of the vocational agriculture department of the Grinnell high school, at Grinnell, Kan., where they will make their home.

WILLIAMSON—JESSON

The marriage of Frances Williamson to James Robert Jesson, G. S. '39, was December 22 in Columbus, Ohio. Mrs. Jesson is a graduate of Ohio State university and has been teaching at Worthington, Ohio. Mr. Jesson is in service with the Army Air Corps

at Brooks Field, San Antonio, Texas, where they are now located.

PAUSTIAN—STAUB

Lillian Paustian, G. S. '29, was married in Santiago, Chile, to Rudolph Staub. Since Mrs. Staub teaches music in Santiago Girls' college and her husband is associated with the National City Bank of New York in Santiago, the couple will make their home there.

SHANNON—ROBISON

Roberta Shannon, G. S. '35, and Lt. Paul Frederick Robison, graduate of Washburn, Topeka, were married in Genesee Christmas day. Mrs. Robison has been instructor at the Junction City high school for the past two years. She will finish the present school term. Lieutenant Robison is stationed at Ft. Warren, Wyo.

COCKERILL—REED

Charlotte Jean Cockerill, senior at Kansas State College, and Dr. Myron D. Reed of Ithaca, N. Y., were married in a Christmas eve ceremony. Mrs. Reed will complete her work this semester and will join Dr. Reed in Ithaca. He is now associated with the department of bacteriology and pathology in the veterinary college at Cornell university.

NEVINS—CAUGHRON

The marriage of Maxine Nevins and Samuel M. Caughron, Com. '34, took place on January 1, 1942, in Topeka. The bride, a graduate of Washburn College, did her graduate work at Northwestern university. She has been teaching in Wichita, where Mr. Caughron is employed by the Burroughs Adding Machine Co. Their home is at 204 North Rutan, Wichita.

DICKERHOOF—WARREN

Lorraine Dickerhoof, H. E. '41, and Dr. Kenneth E. Warren were married Sunday, January 18, in the First Methodist church at Chanute. For the past six months, Mrs. Warren has been dietitian at the Southwestern Osteopathic sanitarium at Wichita. Dr. Warren took his internship at that sanitarium. He has an osteopathic practice in Cunningham, where they will live.

BIRTHS

Richard Lee was born December 22 to Lt. Vernal G. Roth, Ag. '40, and Ruth (Johnson) Roth. Lt. Roth is stationed at Ft. Francis E. Warren, Wyo.

A son born to Oran F. Burns, Ag. '37, and Marie (Wilson) Burns, H. E. '37, November 23, has been named Rex Charles. Mr. Burns is high school coach at Norton, Kan.

Frank Bieberly, Ag. '38, assistant county agent at Council Grove, Kan., and Genevieve (Scheffer) Bieberly have a daughter, Jeanne Frances, born November 30, 1941.

Nelson Bigelow, f. s., and Mabel (Russell) Bigelow, Music '34, have a daughter, Pamela Adelaide, born November 22. Their home is at 9543 Biscayne Road, Dallas, Texas.

Mary Kay is the name chosen by Ervin Reid, G. S. '40, and Marybelle (Churchill) Reid, I. J. '39, for their daughter born January 19. They live at Chase, Kan., where Mr. Reid is coach in the high school.

Max McCord, C. E. '39, and Anna Marie (Owensby) McCord, f. s., Phoebe, Va., have a daughter, born December 29. She has been named Mary Margaret. Lt. McCord is stationed at Ft. Monroe, Va.

Glenn R. Nelson, C. E. '40, and Lena (Hurst) Nelson, H. E. '39, cabled from Honolulu, where Mr. Nelson is an engineer, that they have a daughter born December 11. They have named her Barbara Leilani.

Grover Steele, Ag. '35, Georgia (Meece) Steele, H. E. '36, and 3-year-old Georgia Ann announce the arrival of Grover Benton on January 3. The Steeles' home is at Lincoln, Kan., where Mr. Steele is county agent.

Harold S. Crawford, Ag. '30, and Annie (Kerr) Crawford, H. E. '30, are the parents of Harold Franklin, born December 13. He has two sisters, Rose Anne, 8, and Dorothy, 6. They live at 1137 South Cedar, Ottawa, Kan. Mr. Crawford is traveling representative for the Willis Nursery company.

RECENT HAPPENINGS ON THE HILL

More than 350 seniors have taken the pre-graduation physical examinations, according to Dr. M. W. Husband, head of the Department of Student Health. Senior students may take the physical examination free of charge.

M. A. Durland, assistant dean of the Division of Engineering and Architecture, was elected chairman of the Kansas College Work council of the National Youth Administration at a meeting of the council in Hutchinson last week.

Monday found Kansas State College students observing the holiday afforded by George Washington's birthday Sunday in various ways, one of which was in preparing for the five-weeks' quizzes that are scheduled this week.

The investigation made of last semester classes as to student reaction to instructors has been completed by Mortar Board, senior women's honorary organization. The results of the survey now being tabulated will be turned over to President F. D. Farrell, deans and department heads.

L. E. Conrad, dean of the Division of Engineering and Architecture, and F. L. Parrish, professor in the Department of History and Government, represented Cornell college and Kansas State College respectively Saturday in the inauguration of W. W. Peters as new president of McPherson college.

Many Kansas State College students and graduates are applying for service in the reserve forces of the United States, according to Miss Jessie Machir, registrar, in whose office application blanks are filled out by juniors and seniors. Photostatic copies of transcripts are being made to be sent with application blanks of graduates.

DEATHS

TITUS

Betty Lou Titus, H. E. '41, died Friday, January 30, at her home in Cottonwood Falls. Her death was attributed to a blood clot on the brain following several days' illness of influenza.

While at Kansas State Miss Titus was a member of Omicron Nu, home economics honorary, and Phi Kappa Phi, national scholastic honorary. She was a member of Dynamis, Home Economics club executive board, YWCA, and Phi Chi Delta. She had been teaching clothing this year in Augusta, Kan.

KENT

Florence (Corbett) Kent, B. S. '95, M. S. '98, died Wednesday, January 28, after a brief illness. She was a specialist in dietetics, serving as dietitian in the General hospital, Elizabeth, N. J., Kings County hospital, Brooklyn. She then became charity dietitian for the New York City Civil Service Commission and taught dietetics in Teachers college, Columbia university. She was the wife of Moss A. Kent, vice-president of the General Cable corporation, 29 Heatherbloom Road, White Plains, N. Y. Besides her husband, a sister, Mabel (Corbett) Losey, f. s., Chickasha, Okla., and a brother, Ray Corbett, of Kenmore, N. Y., survive. Mrs. Paul Weigel, Manhattan, was a cousin of Mrs. Kent.

COLLEGE WOMEN ELIGIBLE FOR SORORITY FELLOWSHIPS

Kappa Kappa Gamma Will Make Three \$500 Awards for Graduate Study

Kansas State College women who have received a bachelor's degree or will obtain it before July 1 are eligible for three \$500 awards being offered all college women graduates in the United States for graduate study by the Kappa Kappa Gamma social sorority.

Fellowships are generally awarded in the field of science, some branch of the arts and in human relations. The awards are made for one academic year, according to Mrs. Raymond Adams, president of the Kappa Kappa Gamma alumnae association in Manhattan. Applications for awards must be filed with Mrs. Adams before March 25.

ANNOUNCE PLANS FOR OFFERING TRAINING IN CANTEN SERVICE

HOPE TO TEACH COURSES HERE FOR EMERGENCY WORK

Department of Institutional Management Will Offer Facilities in Co-operation with Other Agencies, Says Mrs. West

The Department of Institutional Management, working with the State Committee on Nutrition, will offer its facilities in cooperation with other agencies on a state-wide program of training for canteen service, Mrs. Bessie Brooks West, head of the department, has announced. The training will follow plans outlined by the American Red Cross.

"We are expecting to include courses both for students on the campus and for home economics trained women in the state who meet the Red Cross nutritional qualifications," Mrs. West said.

WILL REQUIRE TRAINING

The second group is expected to train women who in turn will teach others in their own communities. Detailed plans have not been announced.

Canteen service, which means feeding large quantities of people during emergencies, will require training in purchasing of food, preparation of large quantities of food in cramped quarters and under difficult circumstances, utilization of equipment available, the actual set-up of equipment, handling out-of-door emergency kitchens, and co-ordinating resources of the community.

PRAISES CANTEN SERVICE

While in Chicago attending a meeting of the executive board of the American Dietetic association this month, Mrs. West learned how the Chicago members of that association are handling canteen training.

"Canteen service already has demonstrated its usefulness in San Francisco when the wounded were brought in from Hawaii," Mrs. West said.

STATE BOARD OF REGENTS APPROVES THREE RESIGNATIONS FROM FACULTY

Two Appointments to Staff Positions Also Are Announced by President F. D. Farrell

Included in faculty changes issued from the office of President F. D. Farrell today are three resignations and two appointments. The changes have been approved by the State Board of Regents.

Resignations include those of Clarence L. Gish, superintendent of the College poultry farm, effective March 10; L. W. Patton, part-time graduate assistant in the Department of Physics, effective February 11; and Raymond Seltzer, part-time graduate research assistant in the Department of Agricultural Economics, effective February 12.

Wilbert Greer has been employed as superintendent of the College poultry farm, effective March 11, to succeed Mr. Gish; Mrs. Fred Crawford has been employed in the Department of Physics as temporary instructor for the period February 12 to May 31.

HOUSING INSPECTORS SURVEY STUDENT LIVING CONDITIONS

Robert A. Hilgendorf and Mrs. J. W. Hanson Check for Regulations

The state and College housing inspectors are making a survey of Kansas State College student living conditions.

Houses with more than five students are being inspected by Robert A. Hilgendorf, state housing inspector, and Mrs. J. W. Hanson, the College housing inspector, to check on compliance with state regulations. Any houses found to contain fire hazards will later be inspected by the Manhattan fire department.

Hilgendorf will also inspect restaurants serving food to College students. After inspection of these houses is completed, Mrs. Hanson will extend her survey into houses with fewer than five students.

New Books In Library

Students interested in a background of war in the Pacific will find several recently added library books useful. The books include: "Dutch East Indies" and "Hawaii: Restless Rampart." Other books related to psychology, engineering and social science have been added. Also of interest is a collection of poems by Ogden Nash.

Literary Groups Hear Troutman

The Browning and Athenian literary societies held their February joint meeting Friday night. Prof. W. C. Troutman talked to the two groups on his trip to Washington, at the same time presenting something of the history of the United States.

PAYNE TELLS POULTRY RAISERS TO 'TIME' SPRING CHICK HATCH

College Specialist Points Out That Late Pullets Grow More Slowly, Are Older at Maturity

Poultry raisers were advised today by Prof. L. F. Payne, head of the Department of Poultry Husbandry at Kansas State College, to effect "proper timing of their spring hatch of chicks."

This timing, said the Kansas poultry specialist, is "fully as important, for successful results, as is the adhering to a rather limited period for drilling oats or planting corn. Baby chicks intended for fall and winter layers should be hatched in March for the general-purpose breeds, and in April for Leghorns. Thus a fall molt is usually avoided and the pullets will give steady egg production throughout the fall, winter and spring."

Professor Payne pointed out that pullets hatched after the last of April grow more slowly than early hatched birds. They often become "victims of worm infestation, which, together with the high summer temperatures, tends to increase their age at maturity and decrease egg production during the early winter."

He recommended as a "good management program" for saving hatching eggs and brooding chicks the one outlined in the first edition of the Kansas Poultry Industry Council booklet. In this publication it is suggested that one gather hatching eggs twice daily and more often in cold weather. Hold eggs, not to exceed 10 days, in a room the temperature of which ranges between 45 degrees and 65 degrees F. Plan to buy or hatch three chicks for each pullet to be housed. This would mean 600 chicks for 200 mature choice pullets, or one-half that number when sexed pullets are purchased. It is a good practice to renew about two-thirds of the flock annually.

Under the head of brooding, Professor Payne suggested that two portable brooder houses be used for 600 chicks. If houses are not portable, he suggested, "equip them with sanitary runs equal in size to the floor area of the house. These runs may be made by covering the pen with four inches of clean gravel or by using one-half-inch hardware cloth on the floor or the runway. The latter should be 10 to 12 inches from the ground."

"Well constructed air blast oil burning, gas, electric, or coal burning brooders can be used in the brooder houses. The house should be well supplied with litter, feed hoppers and water vessels. It is advisable to separate cockerels and pullets at about 8 weeks of age. This is a year when good management practices should be followed by every poultry producer."

SENIOR CLASS MEMORIAL GIFTS A FREQUENT SOURCE OF INTRAMURAL FEUDS, DR. J. T. WILLARD RECALLS

Class gifts dedicated to the College as memorials often caused pranks in the early days of the school as remembered by Dr. J. T. Willard, historian.

A tree was planted west of the road on the loop east of Anderson hall and dedicated with much ceremony. The next day, to the chagrin of the students, there stood an apple tree which someone had planted the night before after digging up the gift to the College. The date of this event is unknown.

The graduates of 1888 secretly planted and dedicated an elm in the grove at the southeast corner of the campus. This gift is now marked by a heavy bronze plaque set on a concrete structure.

Representatives of the class of 1892 planted a Virginia Creeper, or five-leaf ivy vine, beneath the window of the President's office on Anderson hall using a "nickel-plated, ribbon bedecked spade in the operation," quoting THE INDUSTRIALIST, June 11, 1892. Miss Alice Vail read the "Ivy Poem" and George L. Clothier, after planting the vine beneath the window, delivered the "Spade Oration." Despite the serious intentions of the seniors, tradition

has it that juniors dug it up and replaced it with poison ivy.

The class of 1893 obtained permission to place a stone, bearing its date of graduation, in Fairchild hall, then under construction. Later classes adopted the idea and the practice became customary.

The stone left by the class of 1902 was salvaged after the fire of the old chemistry building and now is placed in Willard hall. Others were dedicated by 1904 graduates in the Auditorium; 1906 in Dickens hall; 1908 in Calvin hall and the drinking fountain in the quadrangle was also left by this class; the seniors in 1909 placed a memorial stone in Engineering hall. In 1910 the graduates received permission to place a stone in Nichols gymnasium.

A serious feud resulted in 1899. An expensively chiseled stone was to be placed in the agriculture building, now Education hall, but the juniors destroyed it. A second rock was purchased, but it was demolished as the first had been. Punishment, in court if necessary, was demanded by the senior officers against the juniors responsible for the damage. Settlement was made out of court, and the

third rock was patrolled day and night until construction was completed.

The gates southwest of Thompson hall were built by the class of 1911. In 1912 the light posts north of the Auditorium were placed in memory of the graduates.

The gates east of the tennis courts were originally built on the athletic field in 1916 intended to be entrances to Memorial stadium. With the completion of the horseshoe in doubt, as it is today, the College authorities moved the gates to their present location some years later.

A fund for a Memorial Chimes tower was started in 1919. The classes of 1922, '29, '30, '31, '32, '35, '36, '38, '39, '40, '41 donated money which to date amounts to \$4,000. This money has been used in the Student Loan fund while further plans are made for it. Kenney L. Ford, alumni secretary, estimated the tower would cost \$60,000.

With the Student Union building prevalent in the minds of Kansas State students, Mr. Ford suggests that future graduating classes leave a fund for interior decoration or furnishings for the proposed building.

EVERYDAY ECONOMICS

By W. E. GRIMES

"The maintenance of democracy is dependent upon maintaining a balance between the rights of the group and the rights of the individual."

A society in which the individual has no rights would be an extreme form of communism. All rights would be group rights and the individual would share them equally with all other members of the group. It is doubtful if such a situation could be maintained. Individuals differ in personality, in ability, and in many other ways; and these differences probably would result in recognition of individual rights. Leaders would be necessary, and with leadership would go rights and privileges. In fact, if these rights granted to certain individuals as leaders were not open to others, the result probably would be dictatorship within a short time. The individual given the rights would wish to protect them and would take action to prevent other individuals from encroaching upon them. As a result, the one placed in a position of leader-

ship would tend to become a dictator.

The maintenance of democracy is dependent upon maintaining a balance between the rights of the group and the rights of the individual. If the rights of the individual are wholly submerged or eliminated, past experience indicates that the result is a dictatorship. The idealist who starts out to obtain a maximum of enjoyment for all by increasing the rights of the group unduly does so at the expense of the rights of individuals. As the rights of individuals disappear, leadership of the group becomes more and more necessary. This leadership usually obtains a maximum of rights at the expense of the rights of the rank and file of the individuals who make up the group. So it is little wonder that most of the isms of recent years have ended in dictatorships.

WILL LIVE IN MANAGEMENT HOUSES TWO MORE WEEKS

Home Economics Seniors Move Into New Residences for More Experience

Sixteen seniors in the Division of Home Economics have two more weeks to live in home management houses.

Those women living at the Ellen Richards Lodge moved to the Ula Dow Cottage last week. They are Gloria Gish, El Dorado; Catherine Hardin, Rosendale, Mo.; Shirley Spohn, Conway; and Dorothy Zerbe, Salina.

Those who moved from the Martha Kramer Cottage to the Margaret Ahlborn Lodge last week are Carroll Buck, Welda; Jean Courter, Severy; Marjorie Kimsey, Barnard; and Helen King, Hutchinson.

Formerly in the Ellen Richards Lodge and now in the Ula Dow Cottage are Gay Danielson, St. Francis; Alice Marie Johnson, Olsburg; Patricia Jones, Omaha, Neb.; and Marie Melia, Ford.

Alma Becker, Hartford; Lorraine Clements, Havensville; Katharine Gentry, Salina; and Wilma Thompson, Almena, were formerly at the Margaret Ahlborn Lodge and are now at the Martha Kramer Cottage.

Services Here for Father

Funeral services for A. H. Latzke of Manhattan were held Saturday afternoon in Manhattan. Mr. Latzke, father of Alpha Latzke, professor in the Department of Clothing and Textiles, died Wednesday.

The first outright appropriation by the Kansas legislature for the Department of Agriculture was \$200. Use of it was restricted to purchase of plants, seeds and agricultural implements.

COLLEGE HORTICULTURIST FORESEES PROFIT IN PLANTING OF NEW FRUIT

Dr. R. J. Barnett Says Destruction of Plants in 1940 Makes Venture Desirable at This Time

Since 30 to 90 per cent of the fruit plants in Kansas were estimated destroyed in the Armistice Day freeze of 1940, it is reasonable to expect profitable returns from a new fruit planting enterprise and such an enterprise is to be encouraged, Prof. R. J. Barnett, horticulturist at the Kansas Agricultural Experiment station, said today.

"It is very probable that a person who plants cherry trees this spring will have the only cherries in his community when the trees start to bear," Professor Barnett stated.

"The apple, sour cherry, strawberry, grape and in many cases the peach are fruits which can be grown profitably over a wide area of eastern Kansas," he pointed out, adding that "the safest method is to have a rather wide combination of fruits." A beginner will have to use his strawberries or grapes—early bearing fruit—for his income until the larger fruits begin to bear.

Strawberries planted in March will bear in June of the following year, he asserts, while other fruits take a longer period. The grape and brambles will take three years; cherry and peach five years, and the apple four, five or some varieties up to ten years, before starting to bear.

The use of reliable and adapted varieties is also important. He advises that in choosing apple varieties for northeast Kansas half the planting be Jonathan and the other half a selection of other varieties. West of Topeka he recommends that at least half the trees be Winesap and the rest divided among other varieties.

KANSAS STATE CAGERS IN SECOND CONFERENCE VICTORY OF SEASON

EDGE OUT MISSOURI UNIVERSITY HERE 42-35

Swimmers Tame Iowa Cyclones; Wrestlers Overcome Nebraska, Lose to Minnesota; Trackmen Fall before Tigers

Coach Jack Gardner's Wildcat basketball team staved off a desperate last-minute rally by the University of Missouri cagers in Nichols gymnasium Saturday night to win their second Big Six contest of the season, 42-35.

The win put the Wildcats in fifth place in conference standings with a record of six defeats and two wins for a percentage of .250. Previously, they had been tied for last place with the Tigers.

AVERAGE 29.3 PER CENT

Marlo Dirks, substitute Wildcat center from Moundridge, led the scoring for the game with four field goals and four free throws for a total of 12 points. Diminutive Bruce Holman, sophomore forward from Powhattan, and Herb Gregg, Missouri forward, tied for second place scoring honors with nine points each.

The Wildcats bested their opponents in percentage of accuracy Saturday night with an average of 29.3 per cent on 58 tries for the basket. The Tigers made 20.8 per cent of 67 tries.

The K-Staters led the scoring all through the game, but the Tigers were rarely more than 10 points behind. In the closing minutes of the contest, the Tigers started a rally which carried them to within two points of the Wildcats, but the momentary spurt was stopped.

GRAPPLERS DOWN NEBRASKA

The Kansas State swimmers held the Iowa State Cyclones, champions of the Big Six last year, to a 42-42 count in the Nichols swimming pool. Pete Ruckman, sophomore from Topeka, turned in a new record of 2:45.2 in the 200-yard breaststroke event, and Ward Sear, Iowa captain, swam the 150-yard backstroke event in 1:50.5 for a new pool record.

The Wildcat Grapplers won one meet and lost one during the past week. Tuesday night, the K-Staters kept their Big Six slate for the season intact with a 25-2 win over the University of Nebraska Cornhuskers. Monday night, Minnesota's Golden Gophers won a 13-9 decision over the Wildcats.

Jerry Porter, 145-pound captain of the Manhattan matmen, won his twelfth consecutive match Tuesday night. He has been undefeated this season.

Coach Ward Haylett's indoor track team lost to the University of Missouri trackmen Saturday afternoon in a dual meet at Columbia. The Wildcat mile-relay team lowered the meet mark for the event to 3:32.4.

PRINTS BY LATIN AMERICANS WILL BE SHOWN IN LIBRARY

Collection of 75 Reproductions of Work by Outstanding Artists Here March 2-9

A collection of 75 Latin American prints by outstanding South and Central American artists will be shown in the gallery on the third floor of the College library from March 2 to 9. This collection was assembled last spring and summer by the American National Committee of Engraving for the International Business Machines corporation.

John Taylor Arms, president of the American National Committee of Engraving, believes that "such an interchange of the work of representative artists on each side of the border is calculated to do much to eliminate that very border and to promote mutual friendship and understanding."

Mr. Arms, in an introduction to an accompanying catalogue, describes the graphic arts situation in present-day Latin America, pointing out that it "seems as a whole stronger in woodcut than in any other medium." Mexico, he says, has the most highly developed school of lithographers. The copper plate is the least favored of all graphic arts media, except in Argentina, comments Mr. Arms.

During the first ten years of its existence as a state agricultural college, Kansas State College never reached a total enrolment of 125 students during any one term.

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Number 20

ENGINEERS' OPEN HOUSE TO HAVE SCIENTIFIC WONDERS ON DISPLAY

'WALDO THE WELDER' TO WIELD ARC WELDING DEVICE

R. E. Madigan, Authority on Blackout Procedure, Will Speak on Assembly Program Opening Annual Exposition

A bicycle balanced by a gyroscope, and a machine-controlled mechanical man promise to be two of the most popular exhibits planned by Kansas State College Engineers for their annual Open House March 13 and 14.

Members of the Department of Shop Practice originally intended to guide the bicycle by radio, but these plans were abandoned when Uncle Sam put a ban on amateur radio sets. Power for the operation of the two-wheeled vehicle will be furnished by two six-volt batteries. The gyroscope which will maintain the equilibrium will be mounted on the frame.

WILL MAKE NO SOUVENIRS

"Waldo the Welder," the pet of the shop practice department, will operate an arc welding outfit without human assistance.

In recent years, the department has made Open House souvenir tokens and distributed them to visitors, but because of the difficulty in obtaining dies and the shortage of aluminum, the practice will be discontinued this year.

Speaker at the annual Open House assembly March 13, which touches off the two-day show, will be R. E. Madigan of the Westinghouse Electric company, one of the nation's foremost authorities on blackout procedure during wartime. Madigan will discuss the topic, "Blackout and Protection Lighting," presenting equipment and slides illustrating the proper type of defense lighting.

WILL LAST TWO DAYS

Another feature of the Engineers' Open House assembly will be the presentation of Matt Betton and his orchestra.

The assembly will be the opening event of the actual two-day Open House. Exhibits will be shown in the Engineering building by all departments in the division, and the display will be formally closed Saturday evening. Climaxing the event will be the St. Pat's Prom, over which St. Pat and St. Patricia will be chosen by all engineers to reign.

FOUNDATION WILL SPONSOR LIFE-PLANNING WEEK HERE

Philosophy Program Will Bring Dr. O. W. Warmingham to Campus

To emphasize the development of a life philosophy by College students and the importance of campus leadership, the William H. Danforth Foundation is sponsoring a Life-Planning week on the College campus March 8 to 11.

A special assembly at 11 o'clock, March 10, for the new four-day campus event will feature a talk by Dr. O. W. Warmingham, poet, musician and lecturer of the American Youth foundation. Doctor Warmingham received his early education in English schools and for 15 years was a professor of Biblical history and literature at Boston university. While on the Kansas State campus he will address groups of College faculty, student leaders and other selected groups in addition to three scheduled talks at open meetings.

To Topeka Meeting

Vivian Marlow of Meade and Jean Werts of Smith Center, accompanied by Miss Erma Murray, YWCA secretary, attended meetings of the State Student Christian Movement Conference Planning Committee and the budget committee in Topeka, February 21 and 22. The planning committee made arrangement for the Kansas Conference of the Student Christian Movement to be in Winfield, April 24-26; while the budget committee made plans for financing the Rocky Mountain Movement.

Fertilize for Fish

"Farmers may in the future fertilize their ponds to increase the number of fish in these ponds," says Dr. J. C. Hide of the Department of Agronomy at Kansas State.

"A complete commercial fertilizer added to the water at the rate of 100 pounds for each acre of water surface will stimulate the small plants growing in the water just as it stimulates crops grown in the field," he explained.

"Fish feed mainly on these plants," he continued. "So a better crop of these tiny plants means that more fish may grow in the pond."

KANSAS CITY STUDENT TO TAKE LEAD IN NEXT MANHATTAN THEATRE PLAY

Betty Jeanne Sharp Will Have Part of Autocratic Victoria Van Bret in "Double Doors"

Betty Jeanne Sharpe of Kansas City has been cast as Victoria Van Bret in the melodrama "Double Doors," written by Elizabeth McFadden, which will be presented by the Manhattan theatre players in the College Auditorium March 20 and 21. The play centers around Victoria, a spinster, who rules her family with a maniac's firmness.

Those subjected to Victoria's domination are her spinster sister, Caroline, played by Barbara Bouck of Manhattan; her half-brother, Rip, Al Huttig of Kansas City; his wife, Anne, Esther Anne Weeks of Fort Scott; Dr. Sully, a former suitor of Anne's and a friend of Rip, Emil Karl of Abilene.

Others in the cast include Jack Thomasson of Belleville as Mr. Neff, the aged lawyer of the Van Bret family; Ernestine Baker of Topeka as Mrs. Avery, the family's housekeeper; Joe Jagger of Minneapolis, Mr. Chase, the clerk from Tiffany's; Phil Smith of Manhattan, Telson, the butler; Grace Jordan of Chicago, Ill., Louise, the maid; Jim Andrews of Manhattan, the private detective; and Jean Jaccard of Manhattan, Miss Wilma, another household servant.

According to Prof. Walter Roach of the Department of Public Speaking, director of the play, rehearsals began last week, and already the play is beginning to take shape.

LOCAL CHURCHES PRESENT STUDENT LENTEN SERVICES

Religious Groups Offer Programs of Worship, Study, Entertainment

Varied Lenten services are being offered this week by the church organizations for College students. Each church, under student sponsorship, is having some type of group worship, study or entertainment.

"Instruments of the Crucifixion" will be discussed by the Rev. Charles R. Davies of the Episcopal church in afternoon vespers in Calvin hall at 5:10 this afternoon. This evening Mrs. Mary P. Van Zile, dean emerita, will speak on "The Lost Word" before Phi Chi Delta, women's organization of the Presbyterian Westminster foundation. The group will meet at the Westminster house. Baptist young people will give a play, "Old Fashioned School Daze," tomorrow evening, with the College group in charge of the program.

The Newman club, Catholic student organization, has organized into three study groups for the purpose of instruction in the fundamental doctrine of religion. Groups will meet after the Lenten devotion which is at the church at 7:30 p. m. Sunday.

Turner in Australia

Lewis "Slick" Turner, PE f. s., who received his commission as a second lieutenant last spring, is now in Australia, according to word received this week by his parents. Turner had not been heard from for two months.

CAMPUS AND FT. RILEY ARTISTS WILL PERFORM FOR Y-ORPHEUM

VAUDEVILLE WILL BE PRESENTED FRIDAY AND SATURDAY

Variety Show Sponsored by YMCA Will Include Specialty Numbers and Both Competitive and Non-Competitive Stunts

Acts by five fraternity and sorority groups, several non-competitive stunts, and an introductory musical program by Matt Betton and his orchestra will make up the program for Y-Orpheum in the College auditorium March 6 and 7.

Alpha Xi Delta will present "Jungle Rhythm" in a drama and dance with a jungle village setting; a Negro song fest in an old Southern city will be portrayed by Delta Delta Delta; "In a Chinese Garden" depicting oriental dances and a patriotic scene will be presented by Pi Beta Phi. Sigma Phi Epsilon has a stunt including all types of "on-and-off-the-stage" tricks. Phi Delta Theta has not disclosed its theme.

PLAN SPECIALTY NUMBERS

Non-competitive stunts will include numbers by the girls' glee club, directed by Prof. Edwin Sayre of the Department of Music, and dance numbers of Orchestis, dance organization.

Specialty numbers will be offered by units from Ft. Riley, including a boogie-woogie piano team; a tap dancer formerly at the Roxy theater in New York, who will imitate famous dancers; a whistler formerly with Dick Jergens' orchestra, and Bud Gammon, singer.

WEBSTER IS DIRECTOR

Judging the competitive acts will be Miss Kathleen Knittle, assistant dean of women; Miss Edith Campbell, English instructor at the Manhattan high school; and C. J. Medlin, graduate manager of publications at the College.

The show is under the direction of Norman C. Webster of the Department of Public Speaking, with Bill West of Hiawatha as business manager.

To Chicago Conferences

Miss Ella Johnson and Lawrence Hall, both assistant professors in the Department of Education, are attending regional conferences in Chicago this week. Miss Johnson is taking part in a panel discussion during the home economics education meetings and Professor Hall is attending the vocational agriculture conference.

628 WOMEN STUDENTS LEARN FIRST AID METHODS TO BE READY FOR EMERGENCY

At least 800 women students at Kansas State College in Manhattan are participating in Red Cross programs, it has been announced by Dean Helen Moore, chairman of the College Red Cross committee.

Miss Moore reported that 628 women students are receiving instruction in First Aid in the women's Department of Physical Education and Intramurals. Of this number, 315 will receive some 16 hours of instruction in First Aid during their semester of physical education, but will not receive College credit or Red Cross First Aid Certificates. Thirty-two others are working for certificates, but not for College credit; and 281 are enrolled for enough additional training to receive both one hour of College credit and the certificates.

Interest and enthusiasm in these courses is very high, said Miss Helen Saum, head of the women's physical education department.

Approximately 90 women are expected to qualify for Red Cross Certificates in Home Nursing this semester, Dr. Katharine Roy, head of the Department of Child Welfare and Euthenics, reported through the office of Dean Moore. This number includes 58 students enrolled in Home Nursing and who wish College credit and Red Cross Certification; seven faculty women enrolled in Home Nursing

Elect Claude Matthews

Claude Matthews of Great Bend was elected president of the Williston Geology club at a recent meeting on the College campus. Other officers elected to serve one year are Edwin Pincomb of Overland Park, vice-president, and Warren Hicks of Moline, secretary-treasurer.

MISS INA HOLROYD CHOSEN TO BOARD OF MATHEMATICS TEACHERS' COUNCIL

Assistant Professor at College Is Elected a Director of National Professional Group

Notice of election to the board of directors of the National Council of Teachers of Mathematics has been received by Miss Ina E. Holroyd, assistant professor of mathematics at Kansas State College. The action took place at a national meeting in San Francisco February 20 and 21.

The National Council of Teachers of Mathematics includes both the college and high school teachers of the United States. Miss Holroyd has been asked to present a paper before the Council at its next meeting, which will be in Denver June 28 to 30 in connection with the meeting of the National Educational association.

Miss Holroyd initiated and founded the Bulletin of the Kansas Association of Teachers of Mathematics and has been editor of that publication since its founding with the exception of a year when she was on leave doing graduate work at Columbia university. In 1926 she proposed founding of such a publication at a round table of mathematics teachers, and the following year the proposal was accepted by the Kansas Association of Teachers of Mathematics. Miss Holroyd was elected editor. The Bulletin is issued in October, December, February and April.

A graduate of Kansas State College, the Kansas State Teachers college of Emporia, and Columbia university, Miss Holroyd has been active in the Manhattan Branch of the American Association of University Women, as well as in professional groups. During her two years as president of the Manhattan Branch, in 1926-27 and 1927-28, that organization raised and invested funds which now constitute more than \$1,200 of the \$1,800 Graduate Loan Fund of the A. A. U. W. here.

As editor of the Bulletin, Miss Holroyd is a member of the executive committee of the Kansas Association of Teachers of Mathematics.

COLLEGE WILL BE KEY CENTER IN WAR INFORMATION PROGRAM

EXPECT TO LOCATE REPOSITORY FOR DEFENSE DATA HERE

Department of Home Study Will Organize Library to Make Facts and Figures Available to Interested Persons

Kansas State College will participate in a nation-wide information program designed to make national defense data immediately available to speakers, writers and others, it has been announced by President F. D. Farrell.

The program, which will be directed nationally under the Office of Education, Department of the Interior, calls for the organization of approximately 140 key "Centers of Information and Training" in colleges and universities throughout the country. It is expected that there will be another such center in Kansas.

Operation of the Kansas State College Center of Information and Training will be administered by the Department of Home Study, under the supervision of Dr. George Gemmell, head of the department. J. M. Schall, associate professor of English in home study, has been named war librarian here.

TO USE STUDENTS, FACULTY

As soon as the war information center here is organized, arrangements will be made by the Office of Education to route documents, pamphlets, studies, visual aids, some books and other pieces directly here for use in a war information library. These will come from government and private agencies, publishers, and others.

If recommendations of the education department are carried out, the program will be divided into a dozen or more categories, with faculty-student committees volunteering time to arrange and display materials; counsel speakers, writers, program chairmen, teachers, librarians and others; and prepare subject outlines, digests and factual analyses. They also will organize mobile displays for conferences and meetings and leadership training institutes in the area, and assist in the production of radio programs on national defense subjects.

In addition to organizing and maintaining a library of information, the College Center of Information and Training is expected to do the following:

1. Organize a Morale Committee as part of the College defense council to be responsible for the development of the various services and for the mobilization of voluntary efforts of students and faculty members.

WILL TRAIN LEADERS

2. Announce throughout "the defined area"—in this instance approximately half of Kansas—the services of the information center, so that writers, teachers, speakers, program chairmen and others may utilize the assembled materials.

3. Plan and operate leadership training institutes through which volunteer speakers and discussion leaders in the area may prepare themselves as leaders of local meetings.

4. Develop and "maintain a co-operative council of representatives from all colleges and universities within the service area desiring to participate" in a Civilian Morale program. The council will aid, encourage and correlate the work of branch centers.

5. Provide any other services which the Center of Information and Training directors may consider valuable, such as student deputation teams on public affairs, Freedom Forums on the campus or elsewhere, skits, revues and dramatic performances.

Cooperating with the education department's Office Committee on the Civilian Morale Service, and Library Service Division, the American Library Association will keep in close contact with participating organizations and will maintain a file of war information centers.

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WEDNESDAY, MARCH 4, 1942

'HENS AGAINST HITLER'

The hen is going "all out" for production to meet increased wartime food goals.

Egg production in December set an all-time record for the month and the 1941 total production of 40,712,000,000 eggs was also an all-time record. The setting of new records continued in January of this year.

Although farm flocks in December numbered more birds than for any December since 1930, the average number of layers in farm flocks during 1941 was 3 per cent fewer than during the five years 1926-1930. The new all-time egg production record, therefore, reflected increased efficiency of handling flocks, as evidenced by the fact that the annual rate of lay per bird was 3 per cent higher than the previous all-time high of production per bird, in 1938. For December the figures are almost startling, as the rate of lay for that month was 40 per cent above the average of the 10 years 1930-1939, as well as being 8 per cent above the 1940 December average. In December of 1941 the average production of 100 layers was 730 eggs. In December a year ago it was 649 eggs, and the five-year average of December production from 1935 to 1939 inclusive was 588.

The West North Central States, of which Kansas is one, led the nation in increased egg production per hen in December, 1941, as compared to December, 1940, with a 23 per cent increase as compared to 7 per cent in the area of next highest increase in production efficiency.

Utilized in this country, or shipped abroad in powdered or frozen form, the food value represented by increased egg and poultry production is a most substantial contribution to the war effort.

Since facetious remarks about "hens against Hitler" may now be in order, this is a good time to remember that the desired increase in production has been made possible through widespread dissemination of scientific information on production, by intelligent application of this knowledge by industrious and patriotic men and women, and by maintenance of prices at levels which are reasonable to the consumer but high enough to assure the producer that he can stay in business, that his response to the request for increased production will not mean his economic ruin.

BOOKS

South of the Border

"Inside Latin America." By John Gunther. Harper and Brothers. New York, 1941. \$3.50.

The chief purpose of this review is to recommend the book to those who would like to improve their knowledge and understanding of our neighbors beyond the Rio Grande and in the Caribbean. Even if the reader went no further than the map inserted just ahead of the author's dedication he might improve that knowledge and understanding. The map itself is informative, as are all good maps, and a series of paragraphs accompanying it are even more so. For example:

"In Colombia senators write poems, a newspaper man is president, boot-blacks quote Proust, and business men bewail the low price of coffee." "Costa Rica. This delightful small

state is a well-run democracy under a president who is a doctor of medicine and who gets \$268 a month salary. The army consists of 250 soldiers and a brass band."

The book covers 28 countries, including Cuba, Dominican Republic, Haiti and Puerto Rico in addition to the continental countries south of the Rio Grande.

One of the facts that the author emphasizes about these neighbors of ours is their wide diversity. Their contrasts are as interesting as their similarities. Contrasts in the costs of living are an example. In high-cost Venezuela a pair of shoes costs about \$20, while in low-cost Ecuador the price is about \$2. In Venezuela a good bookkeeper is paid about \$4,500 a year, while in Ecuador a college professor is paid about \$25 a month. Other contrasts involve climate, industries, languages, education, political morality, governmental efficiency, and the degree to which democratic processes operate.

There is a certain amount of opera bouffe in Latin American governments as there is in our own. For example, a former president of Costa Rica is said to have sued for slander a public official for accusing him of stealing chickens during his term as president. The public official was found guilty and fined \$10. Before we raise our eyebrows we might well examine the histories of our own governments—federal, state and city.

From time to time the author generalizes about the countries that he describes. He says of South America that most citizens regard their "culture" superior to ours; that communications are "insufferable"; that there is little industrialization; that there is a "yawning gap between rich and poor, except in Uruguay"; that nepotism and graft are taken for granted; that politics, in most countries, is a business and that one goes into it for what one can get out of it, "exactly as you would if you worked for Tammany in New York"; and that the United States is regarded as "soft as a well-done peach."

Running through the book's 500 pages is a thread of fact and comment relating to the significance of the various countries in the defense of the Western Hemisphere against European aggression. The countries vary greatly in this respect. As is fairly well known, Argentina—the strongest and proudest of the Latin American countries—seems less inclined than the others to "go along" with the rest of us. But others of our neighbors also are "on the fence," more or less, with a tendency to wait and see which side is likely to win the present war. (Conditions seem to have improved in this respect since Pearl Harbor, which occurred after the book was published.)

There is much fifth columnism, both German and Italian, south of the Rio Grande and the author gives much of his attention to it. The strength, ability and enterprise of the fifth columnists make their activities a serious threat.

As in his other "Inside" books, Mr. Gunther in this one pays a great deal of attention to leading individuals and their characteristics. Many of his personal comments are as amusing—and revealing—as these about the head of Brazil's one-man government: "Able, friendly, slippery, he means as much to Brazil—in his own Brazilian way—as Hitler means to Germany or Churchill to Great Britain. . . . One story is that he can be silent in ten languages. Another is that he can take off his Sox without removing his shoes."

In reading this book, as from other sources, one gathers that our own record in Latin America is not all white. In the old days when the Monroe Doctrine and the Atlantic Ocean seemed to make us secure from European dangers, we doubtless were guilty of errors that we now regret in our relations with Latin America. Unless the present Good Neighbor policy atones for those errors it is not improbable that some embarrassing chickens will come home to roost.

—F. D. Farrell.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Henry Gilbert, '31, Manhattan, was appointed assistant entomologist of the Indiana State Board of Agriculture, Auburn, Ind.

President F. D. Farrell returned from Washington, D. C., where he attended meetings of the National Land Use planning committee.

SCIENCE TODAY

By DONALD A. WILBUR
Associate Professor, Department of Entomology

Already conditions resulting from the second world war are creating serious problems through the agencies of our insect enemies. With increasing regularity stories appear in the press calling attention to outbreaks of typhus or to the necessity for vaccinations for yellow fever. Brief dispatches mention the suffering of troops from chiggers while on maneuvers in the South or note our rapidly diminishing imports of quinine from the Dutch East Indies. Local items from the Middle West report that grain storage facilities are overcrowded and much wheat is weevily. This "all out" war on a world-wide scale provides unexcelled opportunities for insect attacks.

The insect problem is one to be considered not only in the light of the effect that the insects may exert on the war effort but also from the effects that the war may have upon the insects, particularly with respect to their dissemination and to their opportunities for destruction.

Among the factors associated with or responsible for our insect problems, the following are considered to be particularly significant:

1. Program for increased production. Such a program—accompanied by higher farm prices and manned by a farmer personnel which has been seriously depleted by enlistments, selective service and defense industries, with their lures of high wages—offers OPPORTUNITY to the grasshoppers and their numerous associates among the insect pests of crops and animals. Under such conditions, there is a tendency to drop the accepted standards of approved cultural practices and to forget temporarily the methods and lessons of conservation; in short, to relax from that vigilance which provides the essential safeguards against the insect enemies. An abandonment of regular rotations and an increased concentration of crops which offset the locally established balance may have to be counteracted by costly and laborious insect control measures.

2. Storage of food and materials. It should be remembered that most materials used in war except those of solid metal may be subjected to the attacks of insects. These materials range from grains to stored fruits or from clothing to axe handles and gun stocks.

3. Priorities. In insect control work, priorities strike hardest against insecticides. With the restrictions on sodium fluoride, the roaches of the nation may emerge from their hiding places and return to their favorite rendezvous in the kitchen sink, since no adequate substitute has been found for roach control. The entire production of chlorinated hydrocarbons and of other insecticides and fumigants may be required in the production of war materials in the near future.

4. Reduction of imports. During the past few years special efforts have been made to increase the usage of the organic insecticides, pyrethrum, derris, and rotenone, which are produced largely in the Orient and in Africa. When the present supply of pyrethrum has been utilized in fly sprays and on the vegetables of the Victory gardens, the familiar household cry of "Fetch the Flit" will be

temporarily stilled. An interesting question arises in the use of the remaining derris supply. Shall it go to the growers of canning peas who will badly need it to control pea aphids if they are to meet the increase of production of 32 per cent requested by the secretary of agriculture, or shall it be used by the stock men who likewise have a quota to reach and who have found derris particularly effective in the control of lice and warbles of cattle? When the supply of quinine secured from the Dutch East Indies has been depleted, will the synthetic product adequately take its place?

5. Movement of insects. More than half of the most injurious insect pests in the United States have been imported from other countries. We have tried to prevent the entry of these unwelcome aliens because of their successful efforts to sabotage our agriculture. We have passed rigid quarantine laws and inspection requirements. But under conditions of rapidly increasing air-borne traffic and movement of infested box cars and reuse of used sacks and other infested containers, it is doubtful that the already overworked inspectors can maintain an insect status quo. The interception of yellow fever mosquitoes which have been stowaways on planes from yellow fever areas is a considerable problem in itself.

6. Movement of men, animals, and materials. Certain of our deadly or devastating pests are so closely bound to their ecological niche that they will not readily be moved to new environments by the tides of commerce or war. However, these same tides will soon cause men, animals and materials to invade the haunts of the insects. Thus, though we do not predict that African sleeping sickness and its vector, the tsetse fly, will be transported to the United States, yet we may be sure that before the conflict is over, certain of our citizens will be called on to visit the habitat of the tsetse fly.

7. Insect vectors of diseases. The American public is generally aware that such diseases as yellow fever, bubonic plague, malaria and typhus are disseminated by insects. Other insect-borne diseases are not so familiar. Chagas, dengue, nagana, African sleeping sickness, kala azar and Oroya fever suggest places where live unsanitary, superstitious natives. However, we now realize that the war is being fought in these very out-of-the-way places where unfamiliar insect-borne diseases lurk. The activity of the house fly in disseminating dysentery to our armies of the Civil, Spanish-American, and World wars should provide lessons which ought not be overlooked in the present conflict. The inhabitants in the cities of Britain, Poland and Spain have found that bombings and other destructive forces of war which strike at civilian populations disrupt sanitary facilities and crowd together peoples of all races and classes of society. Those situations provide an optimum for the dissemination of lice, mites, fleas and other insect vermin. The annoyance factors of insects may likewise be of utmost concern to armies in the field. Riley and Johannsen, authorities in medical entomology, state that scabies were the chief cause of wastage in the fighting line of the British army in the latter part of 1917.

TWENTY YEARS AGO

Abby Marlatt, '88, was home economics director at the University of Wisconsin.

Silas M. Ransopher, '11, was president of the Planters and Merchants mills at Austin, Texas.

THIRTY YEARS AGO

F. R. Lindsey, '07, was a designing engineer for the General Electric company, Schenectady, N. Y.

Miss Alice E. Skinner, '09, was an instructor in domestic science in the high school at Fairbury, Neb.

FORTY YEARS AGO

George A. Dean, '95, was elected assistant in entomology to succeed J. B. Norton.

J. G. Haney, '99, was appointed superintendent of the Fort Hays Branch Experiment Station at the meeting of the Board of Regents.

KANSAS POETRY

Robert Conover, Editor

SUNSET HILL

(Southwestern College, Winfield, Kansas)

By Kenneth Porter

A limestone hill protrudes a bony knuckle among the shallow web of river-veins; climbing through cedars where the blackbirds heckle my eyes and steps turn eastward to the plains.

Across the terraced path a lizard-ray of mirror-whipped green sunlight flicks the grey and perforate ledge of soft dissolving rocks—through imperceptible centuries gnawed away by blue-stem's brown-and-purple paradox.

Before me, mid-terrene, a sea of rye darkens; the coreopsis-crusts hill sheds gold; distantly guillotined by sky oil-derricks loom—tall skeletons of steel.

Downhill, the nagging insects seemed a warning of more than night, darkness of fear, not rest: Fool! Plainsmen front the east only at dawn; at evening, eyes must bathe them in the west.

Kenneth Porter, professor of American history at Vassar college, Poughkeepsie, N. Y., is a former member of the teaching staff of Southwestern college, Winfield, and a native of Sterling. He is the author of "The High Plains."

SUNFLOWERS

By H. W. Davis

BUY YOUR WAY TO PATRIOTISM

Becoming a patriot is not so hard, if you follow the advice of "commercial" announcers on the radio.

A few weeks ago I discovered how I could become a patriot through inducing my hens to lay more eggs by feeding them some Pep-Em-Up Chicken Chow. The sponsor promised to decorate me with a medal if I could whangle my biddies into producing 3 1-2 eggs per week per hen. But I don't have any hens.

Of late I've made further discoveries. None of the sponsors offers any medals of honor, but they all guarantee you will feel better—which after all is what you want, patriotism or no patriotism.

For instance, you can buy the Old Hickory Bristle tooth brush, for a sharply limited time only, at the astonishingly low price of 35 cents. (This is not to be confused with the Old Hickory, standard for years at a quarter of a dollar.) But—and here is the surprise—you will find inclosed in each germ proof wrapper one ten-cent defense stamp. Think of that! Hickory Bristles save nylon for parachutes and pup tents.

Another way to help is to purchase Sneezeless Free-Oxygen Bubble Flakes on Monday and save your energy. Sneezes, scientific research reveals, use up 7 per cent of the energy of American women; and women who expect to ferry bombers, weld battleship armor, and operate blast furnaces need every ounce of 100 per cent of their energy. Every time you sneeze you rip a rivet in a battleship. Demand Sneezeless Free-Ox! It bubbles!

You should also buy Old Glory Coffee in the hermetically sealed Old Glory Glass Jars. And Old Glory Glass Jars come in mighty handy, folks, when you start canning peas and watermelon pickles from your patriotic backyard garden. You save tin when you buy and tin when you can. Ha, ha! And Uncle Sam needs your tin. Always ask your hostess if her coffee comes from tin cans that might have helped win this war. If it does, take water or milk. Don't let your country down. Keep Old Glory Coffee boiling.

Last but not least, quit consuming food. Eat All-Purpose U. S. A. Yeast. It has everything, both the B vitamins by the thousands. One cake of All-Purpose U. S. A. Yeast gives you more of what you need than a \$2.50 double-jointed T-bone steak dinner at the Ritz. Food will win the war and dictate the peace. But not if you eat it. Switch to yeast and let the B vitamins put you in class 1A, no matter what you register for. Buy All-Purpose U. S. A. Yeast with your pin money, and defense bonds with your grocery allowance.

You see, being a patriot is the berries, if you buy right.

AMONG THE ALUMNI

Prof. George W. Owens, B. S. '99, has recently been the subject of an article in the N. F. A. Guide, publication of the national organization for Negro Students Studying Vocational Agriculture. It was organized in Virginia in May, 1927, and Mr. Owens, teacher-trainer of Virginia State college, wrote a constitution and by-laws for the organization, which in the beginning was composed of 18 local chapters with about 400 members. It has expanded until it numbered some 950 chapters and over 25,339 active members in 1940.

Professor Owens has been a dynamic figure in the development of agricultural education in both secondary and collegiate schools throughout the South. In recognition of his contribution to the cause of agricultural development in the State of Virginia, state officials named the agricultural building on the college campus in his honor. Before going to the Virginia State college he was employed by Dr. Booker T. Washington as an assistant to Dr. George Washington Carver, and then was head of the agricultural department and director of research at Tuskegee institute, Alabama.

He still holds his position at Virginia State college, Petersburg, Va.

Andrew H. Wright, Ag. '08, member of the agronomy staff at the College of Agriculture, University of Wisconsin, was honored at a testimonial dinner for his service to Wisconsin agriculture. Mr. Wright, who has been on the agronomy staff there since 1915, was praised for the plan of seed certification which he perfected for use in Wisconsin. This plan, in addition to giving Wisconsin hybrid corn an international reputation for quality, is fast becoming adopted as a method by many other states because of the safeguards it sets up to protect the integrity of the hybrid seed. He was credited with development of the famous Wisconsin bin dryer for seed corn and for work with the hemp fiber industry in Wisconsin. He was presented with a gold watch by the Seed Growers association.

Izil (Polson) Long, H. E. '14, I. J. '24, writes, "A little more than a year ago, my husband (J. D. Long) resigned from the University of California to become agricultural engineer for the Douglas Fir Plywood association, with headquarters in Tacoma, Wash. He directs their research and educational program on farm buildings and other agricultural uses of plywood, working through the state colleges, universities and extension divisions. Consequently, he travels all the time, covering every state in the union, so we live nowhere, although our legal residence is still Davis, Calif., where his parents are occupying and taking care of our house.

"Last winter my daughter and I spent seven months at my mother's home in Fredonia, Kan., as a central point where we could see Mr. Long occasionally. Now we are back there again for about three months, and then will return to our home out in Davis. The job is an advance, though, both financially and professionally, so we can put up with our unsettled life for awhile."

Edgar C. Miller, Ag. '17, and Alice (Redewill) Miller live with their two children, Alice Eleanor and William E., at 524 North Jennings, Anthony, Kan. William plans to enroll in Kansas State College next fall. Mr. Miller is cashier for the Citizens National Bank in Anthony.

Frances (Perry) Sultan, B. S. '18, is at 110 North Howard Street, Baltimore, Md. She operates the Quinby restaurant in Baltimore.

Anne Lorimer, H. E. '20, teaches home economics and is manager of the cafeteria at the Liberty Memorial high school, Lawrence, Kan. She lives at 721 Maine, Lawrence. She was recently elected to the Sororist club—Women's service club.

H. C. Barrett, Ag. '21, runs the Barrett agency for Hartford Fire Insurance company, Anthony, Kan. He and Lois (Robinson) Barrett have three children—Edgar C., 17, Ruth Ann, 15, and Phillip Jean, 14. They live at 112 East Main Street, Anthony. Joseph L. Rader, f. s. '22, insur-

ance solicitor, lives with Elaine (Myers) Rader at 303 N. Pinecrest, Wichita, Kan. He is president of the Kansas State Alumni group in Wichita.

George S. Holland, C. E. '23, is contractor for building materials with Johns-Manville. His address is 3709 Franklin Avenue, Des Moines, Iowa.

F. Eugene Charles, I. J. '24, M. S. '29, writes that he is at 2940 South 24th Street, Lincoln, Neb. He is field representative of the U. S. D. A. office of information. Mrs. Charles is Ruth (Swenson) Charles, f. s.

R. E. Sears, Ag. '25, has for five years been secretary treasurer of the Greenwood County National Farm Loan association. He is also in livestock farming with his father and brother. He and Iola (Bartley) Sears have two sons, Robert E., Jr., 6, and William Herbert, 3. They live at Eureka, Kan.

Merle (Grinstead) Barnard, H. E. '26, writes to send a change of address effective February 14. She is at 5505 Greenway Drive, Friendship Station, Washington, D. C. She is printer's assistant, Bureau of Engraving and Printing, Treasury Department.

Mary (Johnson) Hinkley, Music '27, is a homemaker at Spearville, Kan. Her husband, William W. Hinkley, '26 graduate of Kansas university, is superintendent of the Spearville schools.

S. Helen Roberts, H. E. '28, M. S. '32, is home demonstration agent for Tolland county, Conn. Her office is Professional Building, Park Street, Rockville.

Theo. R. Freeman, Ag. '29, is associate in dairy manufactures, Agricultural Experiment station, University of Florida. His work is full-time research on storage of dairy products. Mr. Freeman has an M. S. from Oklahoma A. and M., awarded in 1933, and a Ph. D. from Penn State awarded in 1937. He was married in 1934 to Ruth Benningfield, graduate of Missouri State Teachers' college.

Claire A. Martin, G. S. '30, M. S. '31, is receiving favorable newspaper publicity in Kansas toward becoming a candidate for state superintendent of public instruction on the Republican ticket. He is a teacher in the Dickinson community high school at Chapman. He has been county superintendent in Dickinson county for four terms. He and Helen (Crittenden) Martin live at Chapman.

Paul W. Spens, G. S. '32, R. R. 3, Hutchinson, writes, "Since leaving Kansas State, I have been teaching and am now principal of a graded school near Hutchinson—District 3, Reno county. Have taught ten years and have a good record."

John W. Meyers, Com. '33, and Lorena (Schlemmer) Meyers, H. E. '33, live at 5900 West 60th Street, Merriam, Kan. Mr. Meyers is representative of the Guarantee Mutual Life Insurance company of Omaha, Neb. He has his office at 603 W. tower building, Kansas City, Mo.

Ralph Graham, P. E. '34, assistant backfield coach at Indiana U. the last eight years, was hired in January as athletic director of Wichita university. He is to take over the post in time to supervise spring football practice. Mr. Graham was All-Big-Six fullback his junior and senior years and captained the K-State tennis team. Mrs. Graham is the former Merrideth Manion, f. s. '34.

Francis A. Vaughn, C. E. '35, and Margaret (Turner) Vaughn, H. E. '35, are at College Station, Texas. Mr. Vaughn is instructor in the civil engineering department, Texas A. and M. college there.

Lt. William F. Stewart, G. S. '36, is in the air corps, McClellan field, Sacramento, Calif.

Cornelia (King) Siler, H. E. '37, writes that her husband, A. E. Siler, '34, was transferred to Kansas City, Kan., in September for work at the new North American bomber plant there. She also states that they have a son, born December 26, 1940. They live at 1215 North 18th, Apt. 106, Kansas City, Kan.

Virginia Herst, H. E. '37, Wattana Wittaya academy, Bangkok, Thailand (Siam), writes, "After coming here in 1939, I have been head of home economics at the academy—a fashionable boarding school for wealthy Thai girls. Last year we built a new home economics building including nursery school and two home management houses."

LOOKING AROUND

KENNEY L. FORD

The annual Founder's day meeting of the Kansas State College Alumni at Salt Lake City was at the home of Mr. and Mrs. W. L. Latshaw. Thirty members were served a delicious ham dinner. After dinner, the meeting was called to order by the president, Mrs. H. J. Melcher. Minutes of the last Founder's day party and the two intervening parties were read and approved. Roll was called of Kansas State people in Utah.

Election was held for the group, with the following officers for next year: Mrs. H. J. Melcher, president; Charles A. Leech, vice-president; Mrs. R. S. Jennings, secretary-treasurer.

The business meeting adjourned and the evening was spent playing Monte Carlo whist and viewing a film taken in the Philippines just before the war started by Capt. J. E. McCole, '36, brother of Mr. George McCole.

The following were present: Charles Leech, '13, and Verna (Rumbel) Leech, '13; George McCole, '35, and Mrs. McCole; Mr. and Mrs. Fay Wagner; L. L. Howenstine, '18, and Mary (Vawter) Howenstine, f. s. '17; Lila Canavan, M. S. '29; Susie Geiger, '26; Victor Goodwin and Rosalie (Ellis) Goodwin, '37; Ralph Crowell, f. s. '23, and Mrs. Crowell; Everett Weeks, f. s. '26, and Mrs. Weeks; H. J. Melcher, '24, Mary (Capper) Melcher, f. s. '22, and Mrs. Melcher's mother, Mrs. Capper; Mr. and Mrs. Mefford Fraser; Walter L. Latshaw, M. S. '22, and Mrs. Latshaw; R. S. Jennings, '22, and Mrs. Jennings, all of Salt Lake City, Utah. Others were Glenn Sawyer, '24, and Mrs. Sawyer, and Mr. Sawyer's father, with Dean Dutton, '28, and Mrs. Dutton, of Preston, Idaho.

MARRIAGES

SMITH—BROWN

Agnes Marie Smith, H. E. '41, was married to Arlo A. Brown, Ag. '42, January 25, 1942. Mrs. Brown is home management supervisor at Toronto, Kan. Their address is Cedarcrest, Toronto.

REEDER—CLELEAND

The marriage of Barbara Reeder and Don E. Cleleand, Ag. '42, took place January 30 in Kansas City, Mo. They are now at home at 1416 North Topeka, Wichita. Mr. Cleleand has a position with the Boeing Aircraft corporation, Wichita.

SWINGLE—BRANSON

Dorothy Jean Swingle, G. S. '42, and Lt. John Wallace Branson, G. S. '41, were married in Washington, D. C., Sunday, January 25. Lieutenant Branson is in the U. S. Marines Corps, attending engineering school in Quantico, Va., where they will live for three months.

HARSH—HELTZEL

Eleanor June Harsh, H. E. '41, and Herman Heltzel, f. s. '42, were married January 31. Mrs. Heltzel will finish teaching this school term in the Jennings high school, Jennings, Kan. Mr. Heltzel is still in Manhattan, where he plays in Matt Betton's band.

BUDDE—LEBSOCK

Pauline Budde, H. E. '40, writes that she was married January 31 to Milton J. Lebsock. She had been teaching vocational homemaking and art at Norton until January 24. Mr. Lebsock, '41, graduate of Kansas university, is employed by the Ohio Oil company in McPherson, Kan. Their address is 712 North Maple, McPherson.

LANDER—GUERRANT

Charlotte Lander, f. s. '41, and David S. Guerrant, I. J. '41, were married Friday, February 6, in the Second Presbyterian church, Kansas City, Mo. Mr. Guerrant is with Potts-Turnbull Advertising agency in Kansas City. The couple live at 200 Armour Street, Kansas City, Mo. Mrs. Guerrant is a member of Pi Beta Phi social sorority.

MacDONNELL—McGAW

The marriage of Kyle MacDonnell, f. s. '42, and Norris J. McGaw, MED '42, took place Sunday, January 25, in Larned. Mrs. McGaw was graduated from Larned high school and

attended Ward-Belmont seminary at Nashville, Tenn., and Kansas State College, where she was a pledge of Pi Beta Phi. Mr. McGaw is a member of the Phi Delta Theta social fraternity and plays in Matt Betton's band.

OZMENT—DUCKWALL

The marriage of Aileen Ozment, H. E. '41, and Alva L. Duckwall, Jr., B. A. '41, took place in the First Presbyterian church, Manhattan, Saturday, January 24. The bride is a member of Chi Omega sorority and Mr. Duckwall is a member of Sigma Nu fraternity. Mr. Duckwall is planning to enter the service after the end of his three-month deferment, and until that time the couple may be addressed at Abilene.

BIRTHS

Leroy A. Wilkinson, Arch. E. '35, and Mary (Ratloff) Wilkinson, f. s., are parents of a daughter born Thursday, November 27, for whom they've chosen the name Susan. Their home is at 300 East 68th St., Kansas City, Mo.

John Hayes Howard, E. E. '35, and Nancy (Stark) Howard, 35 Spring Street, Lexington, Mass., have a son, John Hayes Howard, Jr., born January 23, 1942. Mr. Howard is with Massachusetts Institute of Technology, Lexington.

Max L. Burk, I. J. '35, and Marian (Todd) Burk, H. E. '35, have a son, Thomas Todd, born Wednesday, January 7, at the Saint Mary hospital, Manhattan. They live at 1446 Laramie, Manhattan, where Mr. Burk has an insurance agency.

John Robert was born December 3 to Everett R. Wallerstedt, Arch. '31, and Ruth (Barnes) Wallerstedt, 2807 Sherman, St. Joseph, Mo. Mr. Wallerstedt is in the engineering department of the Southwestern Bell Telephone company, St. Joseph.

Dr. Russell A. Leeper, D. V. M. '40, and Miriam (Wagman) Leeper, f. s., are the parents of a son, James Russell, born Sunday, February 1. Dr. Leeper is with the Cutter Laboratories in Berkeley, Calif. The Leepers live at 2726 Garber St., Berkeley.

Lt. Cecil J. McMullen, E. E. '31, and Doris (Conard) McMullen have a daughter, Darlene, born December 18. Their son, Dennis, is 2. Mrs. McMullen and the children are living in Norton, while Lt. McMullen is in service at Camp Wallace, Galveston, Texas.

J. Lester Hooper, G. S. '29, and Anna (Saville) Hooper, G. S. '28, announce the arrival of Keith Lee on December 29. The Hoopers are at 1830 E. Randolph St., St. Joseph, Mo., where Mr. Hooper teaches manual training in the Roosevelt and Lafayette school.

Richard M. Seaton, I. J. '34, and Mary (Holton) Seaton, H. E. '33, have a daughter, Elizabeth, born Monday, January 12, at the Saint Mary hospital, Manhattan. They live at 130 Longview Drive, Manhattan, where Mr. Seaton is business manager of Seaton Publications.

K. U. Benjamin, E. E. '33, and Ethel (Fairbanks) Benjamin have sent an interesting announcement of "a new baby star," Brenda Bernice, born January 21, 1942. In cast of characters with mother and father are the sisters—Anita, Kay, and Connie. The show is to have "continuous performance" at 918 South Fifth, Salina, Kan. Mr. Benjamin represents the American Electric company there.

Marine Recruiter Here

Lt. Paul E. Smith, U. S. Marine Corps recruiting officer from Kansas City, Mo., is on the campus today interviewing College students to enlist in the Marine corps reserve for training through the candidate's class for a commission. A new quota has been set recently for Kansas State enabling seven freshmen, seven sophomores, seven juniors and 10 seniors to enlist. The applicants are allowed to finish their college work for a degree before being called to active duty.

Lawrence V. Rector, Com. '30, is in defense work as junior naval inspector of radio materials at Indianapolis, Ind. His address is 558 North Dearborn, Indianapolis.

RECENT HAPPENINGS ON THE HILL

Among 78 pictures by Prairie Printmakers on display in Anderson hall this week is one by Prof. John F. Helm, Jr., Department of Architecture. The collection is sent out by the Kansas State Federation of Art.

Prof. Charles Stratton and Prof. Richard Jesson of the College Department of Music will appear on the program of the Kansas Music Teachers' association conference Thursday and Friday at Fort Hays State college, Hays.

New officers of Enchiladas, modern dancing group for sorority women, are Nan Sperry, Overland Park, president; Lillian Hoover, Manhattan, vice-president; Barbara Millhaub, Wichita, secretary; Adaline Poole, Manhattan, treasurer; and Ocie Alice Taylor, Tribune, song leader.

Mortar Board, senior women's honorary organization, is investigating scholarship and service records of junior women for prospective members. Though there are only seven members this year, as many as 25 may be initiated. The minimum membership any one year is five.

Approximately 225 magazines have been contributed by students and faculty members during the past three weeks to the collection Theta Sigma Phi, honorary and professional fraternity for women in journalism, is helping make for hospitals at Ft. Riley. A red, white and blue box is set in Recreation Center for weekly contributions.

During the first week on war time, Kansas State College required 1,600 kilowatt hours more electricity than it did in the preceding week on standard time. G. R. Pauling, superintendent of maintenance, stated that if there had been the same number of clear days in the two weeks, there probably would have been some saving on consumption during the week on war time.

DEATHS

HAINES

Harvey F. Haines, 86-year-old Manhattanite who attended Kansas State College for three years in the 'seventies, died Thursday, February 19. He had been ill for about three months. The only immediate relative who survives is a son, Charles M. Haines, M. E. '09, Prof. Deg. '28, of Ottawa, Kan.

SELVIDGE

Word has been received of the death of Prof. R. W. Selvidge on November 16, 1941, at Columbia, Mo. Professor Selvidge was head of the Department of Industrial Education at Missouri University for 30 years. His wife, Ivy (Harner) Selvidge, B. S. '93, M. S. '97, and two children survive him. He is the father of Dr. Harner Selvidge of the Department of Electrical Engineering at Kansas State College, now on leave for war duty in Washington, D. C.

SCOTT

Jean Scott, H. E. '41, died March 1 at the home of her parents, Mr. and Mrs. Charles Scott of Manhattan. An outstanding student while at Kansas State, Miss Scott was active in many organizations and popular with her classmates. She served as a member of the apportionment board and chairman of Aggie Pop. She was a president of Prix, honorary fraternity for junior women, and a member of Pi Beta Phi social sorority. When a sophomore, she was secretary of the YWCA. She taught at the Hot Springs, S. D., high school last fall but resigned because of ill health and a nervous disorder. Dr. W. H. Clarkson, Riley county coroner, reported her death a suicide. Other survivors than her parents include three sisters: Mrs. Ellis West, P. E. '30, Topeka; Mrs. Merle A. Shanahan, I. J. '34, Denver; and Hazel Marie Scott, H. E. '38, of the home. Funeral services were conducted here March 3. Burial was in Sunset cemetery here.

Earl W. Parsons, Ag. '36, is water planning analyst, water utilization section, U. S. D. A. He and Claudia (McDuff) Parsons may be addressed at 900 North 16th, Lincoln, Neb.

RETIREMENT ENDS DISTINGUISHED ARMY CAREER OF EMORY ADAMS

ALUMNUS AN ADJUTANT GENERAL
SINCE APRIL, 1938

Graduate of 1898 Served in Philippines,
China and France, Received Disting-
uished Service Medal, during
43 Years of Service

Maj.-Gen. Emory S. Adams, '98, retired from active duty as the adjutant general of the United States Army at Washington, D. C., February 23. General Adams retired upon his own application after more than 43 years of military service, during nearly four of which he has served as adjutant general.

General Adams was born in Manhattan in 1881 and was graduated from Kansas State College at the age of 17. Dr. J. T. Willard, College historian, who had "Mr. Adams" in one of his chemistry classes, remembers him as a hard worker and very intelligent. Doctor Willard names him as one of the best students Kansas State College has ever had.

ADJUTANT GENERAL IN 1938

On graduating from Kansas State College in 1898, General Adams enlisted in the 20th Kansas Infantry. In 1900 he enlisted in the regular army with which he served in the Philippines and China during the Spanish-American war.

Before 1920, when General Adams was made a captain, he was given temporary promotions to major, lieutenant colonel and colonel. Later he was permanently promoted to these positions. On May 1, 1938, he was appointed adjutant general with rank of major general.

During his 43 years of service, General Adams served in the Philippines, China and France. For his service in France, General Adams was awarded the Distinguished Service Medal accompanied by this citation, "As adjutant, Base Section No. 5, Brest, France, from December 10, 1918, to December 20, 1919, he displayed exceptional administrative and executive ability, sound judgment, uniform courtesy and unremitting devotion to duty, contributing markedly to the successful accomplishments of Base Section No. 5, upon which was placed among other duties the responsibility for the repatriation of more than a million American soldiers."

SUPERVISES RECRUITING

As adjutant general, General Adams has been charged with the duty of recording, authenticating and communicating to troops and individuals in the services all orders and regulations issued by the secretary of war. He has arranged and preserved the records of the military establishment and of all war department administrative business concerning these records, of which there are some 600,000,000 involving more than 35,000,000 men who have been connected with the Army at some time since 1776. The officers and civilian employees in the adjutant general's office normally handle a volume of business of over 3,000,000 cases each year.

The functions of the adjutant general's office also include recruiting enlisted men, procuring officers for the army, preparing and issuing commissions, handling correspondence and conducting examinations of candidates for admission to the U. S. Military Academy and issuing their appointments.

General Adams also has handled matters pertaining to the education of enlisted men; governed and controlled, under the secretary of war, the U. S. Disciplinary Barracks and its branches; conducted extensive correspondence concerning the service generally; and published and distributed war department regulations, manuals and other documents. He has considered all recommendations for awards of military decorations and medals and carried out many other duties.

Discuss Women's Group

The merits of an associated women's student organization on the campus were discussed by Miss Helen Moore, dean of women, when she spoke last week to members of Mortar Board and Prix, women's senior and junior honorary groups. Surveys of similar organizations on other college campuses have been made. The Kansas State group is making comparisons of various organizations.

Kansas State Engineers Outline Publicity Trip



Outlining their preview-program trip to publicize the twenty-second annual Engineers' Open House, March 13 and 14, are these five engineers at Kansas State College. They are, left to right: Don Moss of Miltonvale; Leon Findley, Kiowa; Larry Spear of Mission, general chairman; Jack Warner, Clay Center; and Bill Bixler, Emporia. Warner, along with Vern Heinsohn of Wichita and Max Gelwix of Thayer, is making the trip this week, appearing before high school groups and on radio stations of 10 different Kansas towns.

EXPECT APPROVAL BY AIR AUTHORITY FOR MANHATTAN AIRPORT TOMORROW

Civil Pilot Training Will Be Resumed
Friday under New Management,
Says Prof. C. E. Pearce

Civil Pilot Training for 10 advanced students and 20 primary students will be under way at Kansas State College following approval of the Manhattan airport by Civil Aeronautics Administration officials this week. It is expected that the airport will be approved tomorrow so that the training may begin Friday.

According to Prof. C. E. Pearce, head of the Department of Machine Design and flight director, a new management, the Kansas Aviation Company, Inc., has taken over the operation of the airport. It is necessary that it be inspected again before receiving the air agency certificate necessary for all airports at which CPT courses are offered.

Three of the advanced students and five primary students also are taking advanced R. O. T. C. at the College and will be eligible for recommendation to the United States Air Corps on completion of their courses.

STUDENTS, TEACHERS TAKE PARTS IN KMBC PROGRAMS

Will Present Series, 'The Country
Neighbor Goes to School,' in
Ten Parts

Kansas State College inaugurated Saturday at 12:30 p. m. the first of a series of 21 programs being presented by students and faculty of the College and the University of Missouri over radio station KMBC in Kansas City.

Each broadcast in the series of 10 programs to be presented by Kansas State College will consist of three talks given by the Extension or Experiment Station staff and music by the band and glee club. The agricultural college of the University of Missouri will present similar programs.

Resembling in some respects a typical college classroom, each program in the K-State series, titled "The Country Neighbor Goes to School," will begin with the "Alma Mater" played by the band. Cue for the talks is a ringing class bell.

Scripts for the later broadcasts are to be written by Joe Jagger, Minneapolis; Irene Strotkamp, Burns; and Emil Karl, Abilene, under the supervision of H. M. Heberer, professor of radio in the Department of Public Speaking.

Nutrition Director Coming

Miss Ruth McCammon of Kansas City, regional nutrition director for the Federal Security agency, will confer with the state committee on Nutrition in Relation to National Defense March 14 at Calvin hall. Presiding as chairman will be Dean Margaret M. Justin of the Division of Home Economics. Twenty educational, civic and health leaders of the state will be present at the meeting, the third since the committee was appointed by Gov. Payne Ratner a year ago.

Move Beekeepers' Building

The College beekeepers' building was placed on a new foundation northeast of Van Zile hall this week. The structure was formerly located on College creek east of the plant research laboratory. Moving of the building was necessary to clear the site selected for erection of the new home management houses.

KANSAS STATE'S TANKMEN INUNDATE WASHINGTON U.

Yeo Breaks Pool Record Here as Wild-
cats Gain Vengeance for Early Loss

The Wildcat swimmers received ample revenge for an early-season defeat at the hands of the Washington university tankmen Saturday when they downed the St. Louis team 49-35, in the Nichols gymnasium pool.

Leo Yeo, dash man from Manhattan, was high point man for the Wildcats with a total of 12 points for the meet. Yeo broke the pool record in the 60-yard free-style event; won the 100-yard event; and was a member of the victorious relay team.

Next week the K-Staters will compete at Norman, Okla., in the Conference swimming meet. The Iowa State Cyclones, defending champions, and the Wildcats, last years' runners-up, battled to a 42-42 tie in their only meeting of the season at Ames last week.

Meet at Van Zile Hall

"Get Acquainted with Van Zile hall" was the theme of the meeting of the YWCA Freshman Fellowship group Tuesday when they met at the girls' dormitory on the campus. Dorothy Beezley of Girard reviewed the book, "Faith in the Answer" by Blanton and Peale. Miss Erma Murray, YW secretary, had charge of the devotional service. Following the meeting the group enjoyed a social program planned by the freshman girls at Van Zile hall.

DR. J. E. ACKERT TO PAN-AMERICAN CONGRESS OF SCIENTISTS IN MEXICO

Graduate Dean Also Addresses Faculty
of Institute of Tropical Medi-
cine in Capital City

Dr. J. E. Ackert, dean of the Division of Graduate Study and widely known parasitologist, attended the Inter-American Scientific Congress in Mexico February 16 to 20 and also was present for the dedication of a national astrophysical observatory at Tonanzintla, Mexico, in which President Manuel Avila Camacho of Mexico and several American scientists participated. Dean Ackert, accompanied by Mrs. Ackert, spent two weeks visiting and traveling in Mexico.

While in Mexico Dean Ackert addressed the faculty of the Institute of Tropical Medicine in Mexico City and visited the National Agricultural school near there. Doctor Ackert reported, "The Mexican government pays all expenses of the students attending this school and gives each student a small monthly salary in addition." This is done to encourage scientific agriculture and agricultural engineering, including farm irrigation.

Alpha Kappa Psi Initiates

Alpha Kappa Psi, honorary organization, initiated six men at a meeting last week, according to Don Kortman of Manhattan, president. The initiates are Lloyd Bennett, Conway Springs; Max Brown, Manhattan; Bob Kirk, Topeka; Wilson Carlgren, Concordia; Arthur Cordes, Meade; and Arthur McFadden, Mullinville.

Friday Quill Deadline

The deadline for membership manuscripts to Quill club is Friday. Anyone is eligible to hand in any type of creative writing. Manuscripts are to be turned in to Prof. Ada Rice of the Department of English, Quill club sponsor.

EVERYDAY ECONOMICS

By W. E. GRIMES

"Land is important to man only because of the importance of products of land either in goods or in services."

One piece of land commands a high rent and another commands little or no rent. Why the difference? Should any rent be paid? These are problems which have perplexed man ever since he began to be concerned about the use of land.

Land became important to man when land of the better kinds, or of the kinds which man preferred, became relatively scarce. Land is important to man only because of the importance of the products of land in either goods or services. If these products of land are scarce, they become economically important to man and the land that will produce them is important. Its product is valued, so the land is valued as a source of

these scarce things which man wants and needs.

As long as man has wants which are satisfied in part, at least, by the products of land and the products of land are relatively scarce, land will have value and there will be rent of land. Man may prevent individuals from appropriating the rent of land for their personal uses, but the existence of rent cannot be prevented. All that society can do is to say who shall have the rent of land. Rent of land will continue to come into existence as long as man has wants and the land which produces the things which will satisfy these wants is scarce.

STATERS FIND DOWNSTREAM FOE TOO STRONG IN ENCOUNTER HERE

LOSE TO JAYHAWKERS 26-45 IN
SEASON FINALE

Wildcats Pepper Rim All Night but
Fail to Sink Enough; Kansas Uni-
versity Now in Position to
Tie Oklahoma

A Kansas university basketball team that had scented the fruits of Big Six conference honors proved too much for the Wildcats Tuesday night, and Kansas State closed its on-again off-again season with a 26-45 defeat.

In a rough and vigorously played contest, Phog Allen's charges not only showed too much finesse in their floor game but took the heart out of incipient Kansas State rallies with some uncanny shooting. The Wildcat shots nibbled at the rim all night but seldom dropped in. The Jayhawkers controlled the majority of rebounds.

MAY TIE OKLAHOMA

Kansas got off to a running start, but the Wildcats climbed out of a 9-2 hole when Howe sank a field goal and a free throw, and Beaumont scored with two long shots. Miller, Evans and Hunter made it 15-9 for Kansas before Beaumont dribbled to the right corner and hooked one beautifully into the basket. He was fouled in the process, but missed. After that it was all Kansas university. The half-time score was 21-12.

The victory left the way open for Kansas to tie Oklahoma for the conference championship. The last Jayhawker hurdle was Missouri, March 6 opponent. Their 45 points Tuesday night put Kansas ahead of Oklahoma in conference scoring. A victory over Missouri that held Mizzou to 40 points would mean that Kansas could claim the conference's best offensive and defensive record, the standard used to designate the Big Six entry for the Western N. C. A. A. playoffs in case of a tie.

WIN THREE IN SEASON

Two seniors, Danny Howe and Jack Horacek, finished their College careers with this game, and Larry Beaumont hung up his Wildcat suit at least temporarily to join the Army Air Corps.

The loss gave Kansas State a conference record of three victories and seven defeats. One of the losses was the 46-44 overtime heartbreaker at Lawrence. Two others were one-point defeats by Oklahoma and Iowa State. Including non-conference games, the 1941-42 squad made a record of eight victories in eighteen games.

Ralph Miller, K. U. forward who leads the conference in scoring, was high point man for the evening with three field goals and seven free throws. Howe led the Wildcat charge with 10 points, and Beaumont was next with 7.

WILDCAT TRACK TEAM TAKES FOURTH IN CONFERENCE RUN

Darden, High Hurdler, Wins Only First
for Kansas State in Big Six Meet

The Kansas State College trackmen collected one first and two second places at the Big Six conference indoor track meet in Kansas City Saturday to gain their expected fourth place in conference standings.

Ed Darden, Manhattan, grabbed the only first for the Wildcats when he paced his opponents in the 60-yard high hurdles with a time of 7.7 seconds. Al Rues, Parker, followed Nebraska's Bobby Ginn to the tape as the Husker miler clipped more than seven seconds from the conference record. John Fieser, broad jumper from Norwich, was awarded the other second place in his event.

Nebraska won its ninth loop championship in indoor track Saturday by winning a total of 47 1-2 points.

IOWA STATE'S WRESTLERS TAKE WILDCATS' MEASURE

Captain Porter Wins 145-Pound Bout
to Finish Season Undefeated

The Iowa State Cyclone wrestlers handed the Kansas State matmen a 14-11 defeat in Nichols Gymnasium Thursday night to edge their way into the championship of the Big Six conference.

Jerry Porter, Dellvale, captain of the Wildcat squad, remained undefeated in 12 straight matches this season. He defeated Don Richter in the 145-pound bout, 4-1. Porter has won all of this season's matches except one. The University of Nebraska representative fought him to a draw earlier in the season.

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Number 21

PRESIDENT ANNOUNCES PROGRAM FOR EXPANDED SUMMER SCHOOL

REVISE CURRICULUMS TO MEET EMERGENCY NEEDS

Most Freshmen Entering K-State 1942 Short Term Will Be Able to Graduate in July, 1945, Says Farrell

Plans for an expanded Kansas State College Summer School program which will permit students—freshmen and upperclassmen alike—to take all the work they can carry were announced today by President F. D. Farrell.

Pointing out that, like most other educational institutions, Kansas' state college is revising its curriculums to meet the needs of students who must finish their school work quickly during the national emergency, President Farrell declared that the necessity for thoroughness of training has not diminished. The College, he said, will attempt to see that the student is trained just as thoroughly, but in a shorter over-all period.

SOME CURRICULUMS NOT ADAPTED

Most freshmen who enter the College in the 1942 summer session can, without taking unusually heavy assignments, graduate at the end of the summer session in 1945, after six semesters and four summer sessions. Others, Doctor Farrell explained, will be able to take a few extra hours each semester and complete requirements for graduation in six semesters and three summer terms. Students taking the curriculum in agriculture, for instance, will have a choice of these two possibilities.

The President noted, however, that the specialized agricultural curriculums—Milling Industry, Dairy Manufacturing, and Floriculture and Ornamental Horticulture—are not adapted to the accelerated program. The reason is that students who take them must use summer months to gain practical experience outside the College. For this there is no substitute.

OFFER MORE REQUIRED COURSES

In discussing the revised programs, President Farrell made it clear that completion of the curriculum in Veterinary Medicine still will require more time than the others. The professional curriculum itself may be shortened, but students who wish to take it must first complete one year of pre-veterinary study. Thus, the total time spent by candidates for the degree of Doctor of Veterinary Medicine still will be at least four years.

Not all the courses taught here regularly will be offered during the summer session, but the number will be sufficiently increased, and enough required courses included, so that the student will be able to proceed without loss of time. This the President applied to students transferring from other institutions, matriculating freshmen, and others.

MAY SAVE MANY MONTHS

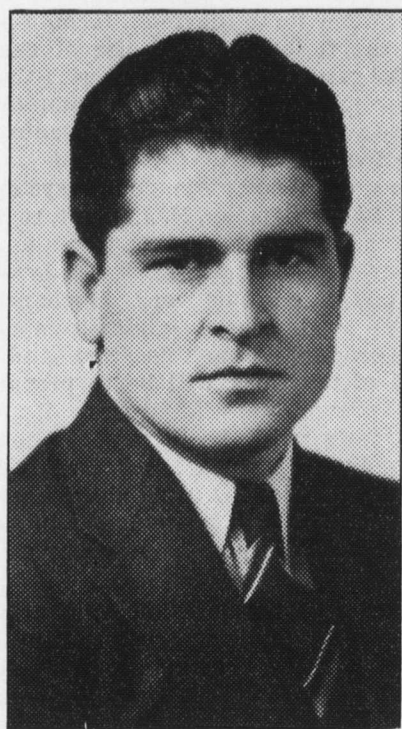
It was pointed out that the summer session provided the matriculating student an opportunity to complete certain required courses. Incoming freshmen in agriculture, for example, are apt to be held to college rhetoric, general botany and general psychology. The deans of other divisions will make such arrangements as meet the needs of incoming freshmen.

Students beyond the freshman year will find it possible, President Farrell said, to take full programs of study in summer and subsequently. In the Division of Engineering, for instance, students may save anywhere from one-half to one and one-half semesters in time and still accomplish what they have to do.

Former Instructor Visits Here

Mr. and Mrs. S. A. McCollum visited in Manhattan last week. McCollum is a former instructor in the Department of Shop Practice at the College and is now employed by the National Geophysical company in Dallas.

Lieutenant in Army



LT. RAYMOND ROKEY

COMMISSION AS SECOND LIEUTENANT IN REGULAR ARMY TO RAYMOND ROKEY

Senior in Agriculture, from Sabetha, Is Rated Highest of Six Chosen from Seventh Corps Area

Raymond Rokey, senior in the Division of Agriculture, has been appointed a second lieutenant in the United States Army, it was announced here Monday.

Each year Seventh Corps area headquarters selects a small number of R. O. T. C. cadets in the colleges and universities of the area for commissions as second lieutenants in the regular army—as distinguished from the active reserve, in which the cadets normally are awarded commissions. Rokey, who has been a lieutenant colonel in the Kansas State infantry unit, was rated highest in a group of six who were appointed in the corps area this year.

Honored last month as an outstanding student in the Division of Agriculture, Rokey is vice-president of the Student Council. He also is a member of Alpha Zeta, honorary agricultural organization; Blue Key, senior men's honorary society; Dynamis, all-school honorary society; K fraternity, organization for varsity letter men; and Klod and Kernel, agronomy club.

He is a member of Phi Kappa Phi, all-school honor society, and Alpha Gamma Rho, social fraternity. He was quarterback on the football team, a baseball letterman and Big Six heavyweight wrestling champion.

PHI ALPHA MU SCHOLARSHIP HONOR TO AILEEN HOSTINSKY

She Wins Annual \$25 Award Made by General Science Women's Society

Aileen Hostinsky of Manhattan has received the \$25 award given each year to the junior girl with the highest grade average. The award was made last week during an initiation dinner by Phi Alpha Mu, honorary society for women in the Division of General Science at Kansas State College. Miss Hostinsky's grade average was 2.93, nearly a straight "A."

New members initiated at the meeting are Jean Bishop of Whitewater; Pat Potter, Peabody; Doris McGugin and Dorothy McGugin, Kansas City, Mo.; Mary Margaret Arnold, Manhattan; Mary Marjorie Willis, Newton; Mary Alice Pile, Liberal; Barbara Campbell, Lakin; Bonnie Jean McRill, Peabody; Margery Lawrence, Topeka; and Miss Hostinsky.

Visit Government Project

Dean L. E. Conrad of the Division of Engineering and Architecture and John Eppler, instructor in the Department of Applied Mechanics, visited the government flood control laboratory in Vicksburg, Miss., last week. Dean Conrad and Eppler made the trip in connection with their work on the Cottonwood Valley flood control program.

ENGINEERS PREPARED TO RAISE CURTAIN ON OPEN HOUSE SHOW

ANNUAL EXPOSITION TO PORTRAY PROGRESS IN DEFENSE

Toot of College Whistle at 6:30 Friday Night Will Announce Beginning of Traditional Campus Science Fair

A prolonged toot of the College whistle—a signal reserved for special events—will announce the grand opening of the annual Engineers' Open House Friday night at 6:30.

The two-day exposition, twenty-second yearly show put on by Kansas State's student engineers, will spotlight national defense as its theme, with exhibits adapted to the war motif.

The students have found it necessary this year to exercise even more than their customary ingenuity in devising exhibits, since they had to replace many ordinarily provided by companies. These companies were prevented from participating this year by the war emergency.

VIE FOR STEEL RING TROPHY

The show, which attracted a total of some 12,000 spectators last year, will continue through Saturday morning.

The engineers will be vying for possession of the coveted Steel Ring trophy, awarded by the honorary engineering organization, to the department having the best display as judged by a disinterested group. The civil engineers won the award the past two years. Should they gain the award again this week they will have permanent possession of the trophy.

Climaxing the show will be the traditional St. Pat's Prom Saturday night. Louis Armstrong and his band will play. Candidates for both St. Pat and St. Patricia to rule over the dance have been chosen, and engineers will vote on their choices.

WILL DISPLAY GARAND

Lt.-Col. Donald Wood of Ft. Riley will introduce the two winners.

Among the displays will be a Garand rifle, a radio-controlled bicycle, an osculometer which measures the intensity of kisses and an automatic welding machine.

The coffee can which became a working electric motor also will be exhibited by the electrical engineers for the particular entertainment of housewives. The students who will demonstrate how the perfectly useless looking can was transformed into an electric motor do not predict that the device will solve the homemaker's problem of what to do with empty coffee cans, but they do expect the trick to interest the women.

MIRROPHONE A FEATURE

In the spirit of the times, the electricals plan to display a radio-controlled tank, a 42-inch model of lethal steel (it's really wood) which will charge about over the campus in the immediate vicinity of the Engineering building. Students watching it from an upstairs window will run it via wireless.

Other exhibits planned by the electricals include demonstrations of the electrically controlled aiming of guns on battleships and the operation of a Mirrophone sound recorder-producer.

KANSAS STATE COEDS KNIT SWEATERS FOR RED CROSS

Fifty Women Who Know How Serve as Instructors for 150 Beginners

Yarn and directions for making sweaters were issued to campus Red Cross workers last week, and the project is progressing well, according to Miss Helen Elcock of the Department of English, in charge of the knitting for the College Red Cross.

Fifty women who know how to knit have signed for Red Cross knitting. Many of these who are experienced knitters are acting as instructors for the 150 girls who want to learn.

Miss Elcock has urged all girls who are interested in the Red Cross knitting work to see her.

Home Economics Leader



MRS. BESSIE BROOKS WEST

ASSEMBLY SPEAKER TELLS STUDENTS, FACULTY MEMBERS TO FACE REALITY

Dr. O. W. Warmingham Advises Campus Listeners to Make Themselves Part of Environment

Kansas State College students and faculty members were warned Tuesday morning to cease fighting against their environment and make themselves a part of it.

Dr. O. W. Warmingham, poet, musician, writer and lecturer, speaking at a special assembly in the Auditorium, expressed the opinion that too many people are running away from realities. He emphasized the need of realizing that each man is a part of the universe.

In discussing the war and the future, Doctor Warmingham said there was no way to avoid the conflict and, hence, the only thing to do was to fight through it, planning for a better way of life after the struggle.

A former Boston university philosophy professor who was born in Madras, India, Doctor Warmingham was brought here by the Danforth Foundation fellowship group for a new campus feature, Life-Planning week, which the group sponsored. Alma Deane Fuller, Courtland, president of the organization, introduced the speaker, who discussed the topic "A Working Philosophy of Life."

The assembly program also included an organ prelude, played by Elaine Rohrer, Abilene, and two vocal numbers by the 4-H club quartet. John Aiken, Moran, gave the invocation.

PRESIDENT'S PRIZE CONTEST INVOLVES FEATURE ARTICLES

Competition Is Open to Students Who Have Had Journalism Subjects

The second annual President's Prize contest for articles involving research and reflection is being conducted this spring at the College.

Awards of three prizes totaling \$50 are offered by an anonymous donor through the office of the president. The competition is open to undergraduates in the Department of Journalism and Printing and to those in the Divisions of Home Economics and Agriculture who have taken journalism work.

The judges will be Prof. R. I. Thackrey, head of the journalism department; Prof. H. W. Davis, head of the Department of English, and another judge to be chosen from a department of applied science by Professor Thackrey and Professor Davis.

Dress Up Magazine

A three-color cover page and a four-page insert introduce the March issue of the Kansas State Engineer, divisional publication of engineering students. The 60-page Engineer is the largest issue of the magazine ever published at the College. The publication devotes 16 pages to the description of activities of Engineers' Open House, Friday and Saturday.

FACULTY MEMBERS HAVE PARTS IN HOME ECONOMICS MEETINGS

MRS. WEST IS PRESIDENT-ELECT OF DIETETIC GROUP

Dr. Ruth Lindquist to Serve as Program Chairman at State Association's Convention in Topeka March 19, 20, 21

Faculty members of the Division of Home Economics will have a prominent role in state conventions next week in Topeka.

Mrs. Bessie Brooks West, head of the Department of Institutional Management, is president-elect of the Kansas Dietetic association which meets March 20, and Dr. Ruth Lindquist, head of the Department of Household Economics, is program chairman for the Kansas Home Economics association convention March 19, 20 and 21.

SEVERAL TO GIVE TALKS

Miss Helen Wilmore, instructor in the Department of Foods and Nutrition, is adviser for the student home economics clubs which have a state meeting there March 21.

Kansas State College speakers on the home economics sessions will include Dean Margaret M. Justin, Dr. Katharine Roy, head of the Department of Child Welfare and Euthenics, and Miss Ella Johnson, assistant professor of home economics education. Miss Georgiana Smurthwaite, state home demonstration leader, and Miss Gladys Myers of the Division of Extension.

Dr. Martha S. Pittman, head of the Department of Foods and Nutrition, and Dr. Gladys Vail, of the same department, will appear on the Kansas Dietetic program.

WILL HEAR PHYSIOLOGIST

The keynote address, presented Friday night at a joint dinner meeting of the two organizations, will be made by Dr. A. J. Carlson, professor emeritus of physiology at the University of Chicago. He is editor of the Physiological Review, a consultant of the United States Food and Drug administration, and a member of the Advisory Council of the United States Public Health service. The preceding day, March 19, Doctor Carlson will be the assembly speaker here at Kansas State College.

Miss Mary I. Barber, food consultant for the War Department, Washington, D. C., will tell each organization how an army at war is fed. Miss Barber is a dollar-a-year woman who is responsible for the balanced menus used in the army camps.

Wartime problems of specific interest to women trained in home economics will be discussed, with special consideration of nutrition and the development of socially useful citizens.

Umberger To Kansans

Kansas radio stations broadcast a talk by Dean H. Umberger, director of the College Division of Extension, Monday night, after addresses by President Roosevelt, Vice-President Wallace and Secretary of Agriculture Wickard had been aired over a nation-wide hook-up. The nationwide and state broadcasts climaxed the Plant for Victory Week campaign. The speakers explained to American farmers the job that lies ahead in producing the food and fiber needed to insure Victory. The state program originated with radio station KSAL in Salina at a meeting of the Agricultural Adjustment Administration.

Davis Novel Out March 17

A first novel by Kenneth S. Davis, Ag. '34, "In the Forests of the Night," will be out March 17. The book, which has received the lavish praise of book critics and recently drew highly favorable comment from William Allen White, is reviewed on the editorial page of this issue of THE INDUSTRIALIST. Davis, who now lives in Manhattan, has a master's degree from the University of Wisconsin. He worked for the Soil Conservation Service for several years.

The KANSAS INDUSTRIALIST

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KENNY FORD, Alumni Editor

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WEDNESDAY, MARCH 11, 1942

THE WAY TO A MAN'S HEART?

Fragrance of coffee flowers on milady's dressing table may come to compete with the aroma of the coffee percolator on the breakfast table, reports a recent bulletin of the United States Department of Agriculture.

Scientists of the Puerto Rico agricultural experiment station have found that coffee blossoms yield an essential oil which has an agreeable perfume and can be used in blending delicate perfumes, to replace such natural flowery oils as cassie, mimosa and jasmine, formerly obtained from southern France but now shut off by war. Use of coffee blossoms for this purpose would not disturb the regular output of coffee, since overproduction has existed for many years.

One serious objection to the use of coffee perfume presents itself, however. Imagine the let-down for a young man, enraptured by the aroma of coffee, on discovering that the delectable perfume came from the girl's handkerchief rather than from a percolator she had thoughtfully put on the stove! Imagine her feelings on learning that the light in his eyes shone not for her but at the prospect of midnight coffee and sandwiches! Or, contrariwise, imagine Romeo following the familiar scent of Juliet's favorite perfume and ending up at a five-pound sack of drip grind!

BOOKS

"In the Forests of the Night," by Kenneth S. Davis. Houghton Mifflin company, Boston. 1942. \$2.50.

"In the Forests of the Night" is not only a good novel, it is one of the best which will appear in 1942. It is a first novel, but any novelist could be well satisfied if it were his third or fifth. Mr. Davis has a story to tell and characters to whom things happen. He wastes no time with preliminary flourishes, but presents his people and tells their story with assured artistry.

The main and the contributing stories are developed dramatically. Mr. Davis' characters interpret themselves through speech and action. But the author's understanding of his characters contributes to the reader's knowledge and sympathy.

The characters are people of our time. Both the disintegrated present and the debacle which began with the first world war are part of them. But some of them are also timeless figures of tragedy, tragedy to which both their virtues and vices contribute.

William Kendall is the main character of the novel. In him Mr. Davis shows the essential nobility of a man who has never entirely surrendered to ignobility. Kendall's disintegration began during the first world war. The war was not exactly the cause of his decline, but it was a contributing factor, placing him under a strain greater than he could bear. The outward conflict through which he moved struck inward and became malevolent. Kendall's final "journey into night" is the saga of a defeated man, but one who is "majestic though in ruin."

The other characters of the novel also reveal the author's creative ability. Pitiful, sordid, drab, pompous, kind, sympathetic, they are human beings, not symbols of vices and virtues.

The main characters of the novel

are ably portrayed. The minor characters are real contributors to the drama, clearly and unforgettably outlined.

The settings of time and place are integral parts of "In the Forests of the Night." Northern Minnesota as winter begins is as much a part of the novel as Egdon Heath of "The Return of the Native."

—Robert Conover.

COLLEGES MUST BE FREE

In an address before the Kansas Farm Bureau Federation, Dr. F. D. Farrell, president of Kansas State College, made several statements which we believe should be given most serious consideration. He asserted that "it is the duty of the extension service to conduct the educational work regarding these (national agricultural) programs, to explain what they are and how they operate. . . . It is not the duty of the extension service to police the programs nor to manage their financial affairs. This is the duty of the federal, state, regional, and county agencies that properly have been set up for this purpose."

President Farrell pointed out that there were two provisions in the Agricultural Adjustment Act of 1933 which "may endanger the integrity, and, hence the usefulness, of every land grant college. The first provision requires that the county agricultural agent be either the secretary or a non-voting member of the county AAA committee. Unless this requirement is handled with great care, the county agricultural agent may find himself obliged either to resign or to become in some degree a policeman, a promoter, or a propagandist—or all three."

The second provision against which Doctor Farrell cautioned: "In carrying out these provisions, the Secretary (of Agriculture) is authorized to utilize the agricultural extension service and other approved agencies. . . ."

President Farrell is right in believing that unless great care is exercised, this could mean the destruction of the usefulness of every agricultural extension service in every state in the Union. He emphasized that the college must be kept free to find and disseminate truth. It has been our observation in meeting with some of the members of colleges that they are asking, how will Washington view any action that might be taken? It seems to us that every member of a college faculty should be directing himself to asking what is the right course to take to develop the college that will make it an effective, reliable servant of the people of the state which it serves.—From Hoard's Dairyman.

NECESSITY OR LUXURY?

From the national concern about a sugar shortage that daily occupies so much space in the newspapers one would suppose that man could not exist without sugar! Perhaps this is almost true nowadays, for last year the people of the United States each consumed about 96 pounds of cane and beet sugar, and food habits are hard indeed to change.

But it was not always so, and even today sugar is not regarded as so important in all countries as it is in ours. As recently as 40 years ago the Russians used no more than two pounds per capita annually; and for thousands of years highly civilized peoples of Europe and the Near East managed to live healthfully and happily, if we may judge by their literature, without any such sugar at all.

It is difficult to comprehend the radical changes that have taken place in the diet of civilized man during only the past few hundred years. In Shakespeare's day the English existed almost wholly upon meat and bread. Sugar was unknown to the ancient Greeks and Romans, except the few legionnaires who in their campaigns had traveled to the extreme Orient. The fabulous Lucullan banquets of Rome's epicures were graced by no sugar except that obtained in honey, and in dates and other fruits.

Cane sugar actually was introduced into England about 1466, but was long restricted to occasional feasts of the rich, or to use as a medicine! It did not come into common use in that country until about 1580, when importations began from Brazil by way of Portugal. Naturally enough, once obtainable, it increased rapidly in popularity; and by 1790 the English consumption was 20 pounds an-

SCIENCE TODAY

Editor's Note: This "Science Today" feature is a condensation of a letter by Donald Engle, A. M. and M. Ed. '38, Engle, who also has a master's degree awarded by the Eastman School of Music, Rochester, N. Y., in 1941, is co-director of intra-plant broadcasting for RCA Manufacturing company. For six months last year he was employed by the National Broadcasting company in New York City as a guide.

The term "industrial music" is a new one to most people. Briefly, it means the use of recorded music programs played throughout industrial plants during working hours via a loudspeaker system. It is intended primarily for factory processes in which there is a considerable amount of repetitive work being done, and in which there is a considerable degree of boredom and monotony.

Different types of music can be exhilarating, restful, relaxing, depressing, stirring, impressive, etc., depending upon certain inherent characteristics and upon your receptiveness to it. Thus the basic idea in the use of music in industrial plants is to arrange appropriate programs to relieve fatigue and boredom at the times during the day when they reach the highest level, to use it at the beginning and end of the work period, morning and evening, and to provide suitable luncheon music at the middle of the workday. The basic assumption upon which the whole case for industrial music is predicated is that through its use production may be appreciably increased, the number of rejects may be decreased, accidents and errors may be reduced—all by the elimination of fatigue slumps. No one knows definitely to what extent this assumption is true, and a part of my work is to try to get some statistics to prove to all concerned what value music has in industry.

The loudspeaker system—or sound system, as we call it—is of perhaps even greater value in an industrial plant as a means of communication,

the number of paging calls alone exceeds 2,000 a day, or an average of one every 10 or 15 seconds. Obviously the number of labor hours saved in trying to locate someone or get a message to a given number of persons is tremendous, and the money saved is likewise no small factor.

My job—for RCA Manufacturing company—is to develop techniques for the fullest possible use of such sound systems, and coupled with that is the problem of improving employee morale in our own plant. An appropriation has been made for the installation of a complete sound system here in our Camden, N. J., plant, to be controlled from a central studio next to our office. Two of us now are devoting our time to this work. Music programs and special announcements will originate from this point, and a part of my work will be to prepare and present these features. Radio newscasts will be aired at noon throughout the plant, and possibly in the evening for the night shift. About 15 buildings will be included in the hookup, and some 13,000 employees will be reached.

Perhaps the question will arise, "Where does music enter into the picture to certain sections or to the entire personnel at one time. In some factories which have a sound system for paging or locating persons within the plant and for making announcements?" I am firmly convinced that industrial music will some day become a recognized factor in industrial relations, and I am as firmly convinced that there will be a place for someone who knows not only something about different types of music and their therapeutic values, but also something about acoustics, factory management and problems, labor relations, industrial morale, and a number of other factors which enter into this activity. Few have even scratched the surface of the possibilities in this new field.

for the civil engineers' inspection trip.

TWENTY YEARS AGO

Irving C. Root, '12, was city planning engineer for the city of Flint, Mich.

Dr. Frank Hare, '20, was chief of the Bureau of Animal Industry, Santo Domingo, Republica Dominicana.

Anna Leah McIntyre, '20, was promoted from dietitian to chief dietitian of Marine hospital No. 14, San Francisco, Calif.

THIRTY YEARS AGO

T. W. Morse, '95, was added to the editorial staff of the American Breeder, published in Kansas City.

Kirby Wyatt, '11, began work in the structural laboratory of the General Electric company in Erie, Pa.

H. L. Popenoe, '09, accepted the position of instructor in agriculture in the high school at Alexandria, Minn.

FORTY YEARS AGO

Doctor Mayo attended the meeting of the Cattle Growers' association in Fort Worth, Texas.

J. G. Haney, '99, was appointed superintendent of the Fort Hays Branch Experiment station at the meeting of the Board of Regents.

Miss Kate Zimmerman, '00, resigned her position as instructor in sewing at the Presbyterian Mission school of Concord, N. C., to accept a similar place in Santa Fe, N. M.

FIFTY YEARS AGO

At the Garden City farmers' institute F. A. Waugh, '91, editor of the agricultural department of the Weekly Capital, read a paper entitled "The Kitchen Garden."

W. T. Swingle, '90, was the author of Farmers' Bulletin No. 5, issued by the United States Department of Agriculture and entitled "Treatment of Smuts of Oats and Wheat."

O. L. Utter, '88, teacher in the Garden City schools, lectured before a meeting of teachers at Deerfield, on the subject, "Education: Its Past, Present and Future."

SIXTY YEARS AGO

At the meeting of the Scientific club, papers were presented by Professor Walters, J. W. Shartel, S. C. Mason, Lt. A. Todd, E. H. Kern and W. Meek.

President George T. Fairchild and

Professors E. M. Shelton and George H. Failyer represented the College at the Farmers' Institute held in Burlington.

At the meeting of Webster society, the question, "Resolved, That schools should be established in the Indian Territory for the purpose of educating the Indians in the English language," was discussed by J. Stuart and J. H. Calvin on the affirmative, and E. H. Perry and M. A. Reeve on the negative.

KANSAS POETRY

Robert Conover, Editor

THE MAN HAS NEVER LIVED

By Violet Griffin Leighty

The man has never lived if he has not
Thrilled to the early dawn—
Nor smiled upon the world from some
hilltop
Nor watched a stream roll on—

If he has never struggled in a storm,
Nor braved the elements
By planting hopeful seeds of wheat and
corn
In rows behind a fence—

If he has never worked with his bare
hands
To grow a flower—to give
Some living thing new hope upon his
land—
The man has never lived.

Violet Griffin Leighty of Logan is a farm woman, mother of two children, who writes as a hobby. Mrs. Leighty's column, "From the Kitchen Sink," appears in several weekly newspapers.

SUNFLOWERS

By H. W. Davis

SUSPENSE

Up to recently I have refused to become alarmed about the rubber shortage.

Even though heads of alphabetical boards in Washington have been quarreling about which one of them is to blame for it, and even though I am on the hoof as soon as my tires wear out—maybe even before, if they make us turn in all the rubber on our present jalopies—I have remained calm and undisturbed.

But I am agitated now. The other day I saw in the papers that manufacturers of corsets and other streamlining devices and makers of sock supporters and suspenders have been quietly but firmly told that no more rubber could they use.

When I first read the story I gave it little heed. It was so much like all the other restriction stories you see—no more tin for coffee, no more ice boxes, no more of this and that for nothing.

Then I got to thinking—always a foolish thing to do. Even after I had thought for several minutes I was still unperturbed. I figured we could get used to looking at mamma and grandma as they looked before they got thinned out like Blondie and Tillie the Toiler. It might not be so thrilling but we could stand it for a reasonable duration.

I know we could become accustomed to droopy sox, because I already have; and so have our most prominent and worst dressed college students, who set the styles.

Then I got to thinking about having to go without suspenders. At first that seemed easy too—just buy a belt or tie a rope around your waist.

But you have to consider that many men like me have no hips to speak of—or count on.

A shortage of suspenders is going to bring up problems that can more gracefully be imagined than discussed. One of them is locomotion and traffic congestion. If we hipless males are not allowed to drive cars, we shall have to walk; and walking without suspenders is going to shatter our efficiency as bundle carriers and dodgers of trucks and taxis.

So I am going to write my congressman, praying that he will put in a plug for hipless males and at least get us priority rights on what suspenders are left.

ADULT READING HABITS

Generally speaking, the average adult is able to read only about as fast as he could in the eighth grade of grammar school—some 300 words a minute.—From the Pathfinder.

AMONG THE ALUMNI

A. A. Gist, B. S. '91, and Eva (Brock) Gist are featured with a picture of their home in Chanute in an issue of the Santa Fe Magazine, a monthly publication devoted to the interests of the employees of the Santa Fe railway. Mr. Gist is now retired from his position as superintendent of the Southern Kansas division of the Atchison, Topeka, and Santa Fe railway. Since Mr. Gist's retirement, he and Mrs. Gist are enjoying their home and also are taking many interesting trips, spending their winter months in Arizona.

Minnie (Schorer) Rickenbacker, D. S. '09, visited the campus during February to see her son, Jack Rickenbacker, senior at Kansas State, who has been ill in the College hospital. She has two daughters, Jean and Claire—now Mrs. Paris Jackson, G. S. '39, who is at 20 West 36th St., Kansas City, Mo. The Rickenbackers live at 715 E. Main, Turlock, Calif.

Fred S. Bradford, E. E. '12, is principal inspector of navy materials, U. S. Navy. He and M. (Junius) Bradford live at 2825 Park Avenue, Minneapolis, Minn.

Lorenzo B. Mann, Ag. '15, M. S. '17, recently addressed the seventeenth session of the American Institute of Cooperation, Atlanta, Ga., as the representative of the Farm Credit Administration, Washington, D. C. A writeup of the meeting reports his talk, "If the livestock industry in the United States is to be maintained on a profitable basis, more efficient and less costly methods of production, transportation, marketing, processing and merchandising must be perfected. "Not only in the South, but throughout the nation, domestic consumers will purchase substantially increased amounts of meat—a food rich in all the essential and costly natural vitamins and minerals—provided present bottlenecks, which now hinder the free movement of livestock products, can be removed and the spread between producer and consumer narrowed.

"If such needed improvements are to be brought about, it will call for the organized cooperation of producers themselves. This job challenges the combined effort of farmers, colleges, extension and vocational workers and agricultural leaders."

Mr. Mann and Agnes (McCorkle) Mann, '17, live at 5521 North 14th Street, Arlington, Va.

Edgar C. Miller, Ag. '17, is cashier of the Citizens National bank, Anthony, Kan. He and Alice (Redewill) Miller have two children—William Edgar and Alice Eleanor, 21. They live at 524 N. Jennings, Anthony.

Ruth K. Huff, H. E. '19, resigned from her position as home demonstration agent at Troy, Kan., to accept a similar position in Sumner county, Wellington, Kan. This is her twelfth year in home demonstration agent work. In Wellington, she is working with Joe D. Smerchek, Ag. '32, who has been county agent there for six years.

Grover M. Simpson, D. V. M. '20, is a partner in the Eberhardt and Simpson Grain company, Salina, Kan. He and Irene (Hodgden) Simpson and their children, John, 7, Sarah, 4, live at 345 Sunset Drive, Salina.

Carl Mershon, Arch. '21, and Adelaide (Carver) Mershon, H. E. '22, and their daughter, Carladel, 2, live at 322 West 13th Street, Hutchinson, Kan. Mr. Mershon is architect with Mann and Co., Hutchinson.

Mac Short, M. E. '22, is the subject of a letter by Ralph B. Smith, C. E. '13, employment manager of the Vega Airplane company, Burbank, Calif., of which Mr. Short is vice-president. Mr. Smith writes, "From Manhattan, he went to McCook Field as an aeronautical engineer, doing instrument testing and some flight instruction. From 1925 to 1927, he was an instructor in aeronautical engineering at M. I. T. From 1927 to 1937, he was vice-president and chief engineer at the Stearman company in Wichita, and since 1937, he has been with the Vega Airplane company in Burbank. His position with us is vice-president in charge of engineering. Mac is one of the outstanding aeronautical engineers of the United States and has been a very valuable asset to this organization in building one of the

finest engineering departments in the country. He married Mae Siefkin, f. s. '20, and a graduate of the University of Chicago in 1923."

Wilma Sutton, H. E. '23, has been teaching home economics in the Kingman high school, Kingman, Kan., 11 years. Her sister, Dorothy Sutton, is society editor of the Hutchinson News-Herald.

Vira (Brown) Ricketts, H. E. '25, M. S. '39, writes that her marriage to George C. Ricketts took place July 5, 1941. Mrs. Ricketts is continuing as home adviser for Grundy county, Morris, Ill.

Fred P. Eshbaugh, Ag. '26, recently sent an illustrated report of the Fleming Stripland Reclamation project, which he directed as National Youth administration supervisor. The Kansas geological survey estimates that strip mining operations in this state have been carried out over an area of some 26,000 acres. The report is non-technical for the most part, and does not dwell on economic aspects, but presents a report of the work the National Youth administration has done in this area. Mr. and Mrs. Eshbaugh live at 715 West Euclid, Pittsburg, Kan.

E. B. McKnight, G. S. '27, and M. D. '33, University of Kansas, is physician at Alma, Kan. He and Rowena (Cordon) McKnight have three children—Frank, 6, Margaret, 5, and Mary, 2.

Harold McNiff, E. E. '27, and Kathryn (McClay) McNiff are at 4154 Camellia Avenue, North Hollywood, Calif. He has been a designer and builder of sound machines in previous years and is now a sound technician.

Walter C. Peirce Jr., G. S. '28, and Frances (Covey) Peirce, G. S. '31, have two sons, Clinton F., 5, and Kenneth E., 3. Mr. Peirce does general farming, specializing in certified seeds and cattle feeding. The Hutchinson Experiment field is located on their place, Route 2, Hutchinson, Kan. Mr. Peirce won the Capper's pasture contest, diversified section, 1939.

Hale H. Brown, Ag. '28, M. S. '37, 1812 G Street, Washington, D. C., is special representative of the out-of-school Youth Defense Training program for the U. S. Office of Education. Mr. Brown visited in the Alumni Office during February and reported that he likes his work very much.

Emmett Allen Smith, M. S. '29, writes that his address has been changed in Kansas City, Mo., to 5607 Rockhill Road. He is teaching in the Northeast senior high school.

Edris W. Rector, Com. '31, M. S. '32, and Ethel (Bellis) Rector, H. E. '36, live at 1125 Ashland Avenue, Evanston, Ill. Mr. Rector is manager of the Consumers Cooperative association there.

Lt. Harold Nonamaker, Ag. '32, M. S. '33, reported February 14 at Ft. Benning, Ga., for active service and training in rifle and heavy weapons. He has been Farm Security Supervisor in Smith County, Kan. His wife, Marjorie (Dean) Nonamaker, G. S. '32, M. S. '33, and the two children, Betty Dean and Dotte Jean, will make their home at Manhattan until Lieutenant Nonamaker locates a place for them.

Capt. M. C. Kastner, D. V. M. '33, is base veterinarian of the army air base at Albuquerque, N. M. He has been there since June, 1940, as food inspector.

Richard J. Crowley, Arch. '34, is doing architectural work for Baltimore Engineering firm on a new U. S. Arsenal. He and Letha (Vanderhoof) Crowley are at 214 Lincoln Street, Huntsville, Ala.

George W. King, M. E. '35, and Edna (Gill) King, f. s., are at 3033 Fondren Drive, Dallas, Texas. Mr. King is working for the Chevrolet motor division, General Motors, as regional product representative. He covered recent second and third army maneuvers as an official observer for Chevrolet motors. He does extensive work with army personnel reporting quality and teaching proper care of Chevrolet equipment and approved maintenance procedures.

W. G. Ransom, Jr., Ag. E. '37, works with his father, who is owner of the Ransom Farm, breeders of registered Guernsey cattle, Homewood, Kan. He showed the grand champion Guernsey bull at the National Dairy show, 1941.

Olive A. Miller, H. E. '38, is continuity writer for station KCKN, Kansas City, Kan.

Edward Allen Russell, Com. '39,

LOOKING AROUND

KENNEY L. FORD

You can be of great help to the Alumni Office if you will notify us of all Kansas State men whom you know to be in the armed forces of our country.

Plans for various class reunions to be held this commencement, May 25, are going ahead in spite of the war. Saturday, May 23, will be Alumni Day, and all classes ending in "7" or "2" are invited back for reunions.

"There is a small book just published, 'The U. S. College Graduate,' written by F. Lawrence Babcock based on research by Time Magazine and published by Macmillan.

"Time's staff of experts has compiled an interesting supply of data from 1,047 colleges and universities throughout the country. There are, according to the report, 2,700,000 living college graduates of whom 996,000 are women.

"The statistics on marriage bear out the long-supposed fact that college educated women are hard to please or at least more choosy than men. Less than half or, to be exact, only 45.7 per cent of women graduates are married, whereas 68.1 per cent of the males with college degrees have taken the step. Divorce statistics conform. Only one per cent of college alumni are divorced while in the alumnae ranks 1.8 per cent have separated from their husbands. The fact that about 75 per cent of the graduates of the last two decades have come from co-educational colleges has had little effect on the marriage rate.

"Economically the majority of alumni make better than \$3,000 a year. Only 2.1 per cent are unemployed while 45.5 per cent own their own homes."—Columbia Alumni News.

Alumni and former students of Kansas State College held their annual dinner at the Hamilton hotel, Washington, D. C., on February 28. Libbie Smerchek, '32, who sent in the report of the meeting, writes, "I'm sure that our being at war was the reason for such a small attendance.

"Our president, Lt.-Col. W. W. Buckley, f. s. '05, was toastmaster for the evening and introduced our guest speaker, Senator Capper, who gave us a fine talk on his reminiscences at Kansas State, during the time he was chairman of the Board of Regents. He praised very highly our president at the present time, Dr. F. D. Farrell. A short talk was given by Cliff Stratton, '11, and one by one of our newest comers, Virginia Ford, f. s. '41, daughter of Kenney L. Ford. Group singing was led by Elizabeth Towne with Mrs. Zepherine (Towne) Shaffer, '11, at the piano.

Others at the dinner besides those on the program were Col. Louis B. Bender, '04, and Mrs. Bender; Maj. A. M. Brumbaugh, '27, and Ruth (Allen) Brumbaugh, f. s. '30; H. H. Brown, '28; Mrs. W. W. Buckley; R. H. Davis, '27, and Hazel (Blair) Davis, f. s. '27; Pius H. Hostetler, '34; A. M. Hanke, '39; Vera (Idol) Moore, '16; Thomas A. Mitchell, '26, and Mrs. Mitchell; Cecile M. Protzman, '27; Georgie (Brooks) Rayens; Harry A. Rust, '26; Marian Salisbury; Clarence Salisbury; Stella Stewart, '00; Cliff Stratton, '11; George Wheeler, '26; Lois Emily Witham, '16, M. S. '18; Carey R. Witham, '18, and Mrs. Witham;

is district representative for State Farm Mutual Automobile Insurance company. His territory consists of 10 counties in Eastern Oregon, with headquarters at 520 W. 10th Street, The Dalles.

Lt. J. J. Redmond, E. E. '40, is at Cruft laboratory, Harvard university, Cambridge, Mass. He says that Kansas State is well represented at Harvard right now.

Donald G. Forbes, I. J. '40, is commercial photographer with the Mid-Continent Engraving company, Wichita. He and Peggy (Dodd) Forbes live at 1017 North Terrace Drive.

Ruth Kindred, B. A. '41, is statistical typist with Arthur Anderson and company, Commerce building, Kansas City, Mo. Her home is at 546 Allcutt Street, Bonner Springs, Kan.

Robert Witham; F. M. Wadley, '16; Jessie (Dean) Thackrey, '34; and Libbie Smerchek, '32."

MARRIAGES

MARSHALL—THOMAS

Nada Jo Marshall, G. S. '36, and Wilton B. Thomas, Ag. '37, were married January 1, 1942. Mr. Thomas is a member of Alpha Gamma Rho fraternity, and is now at Ft. Knox, Ky. Mrs. Thomas is now in Oklahoma City, Okla.

FULLER—BROWN

Ollie Fuller and Lt. Gordon W. Brown, E. E. '39, were married February 12 at the home of the bridegroom's mother, Mrs. Elva Brown, Manhattan. They left immediately for Spokane, Wash., where Lieutenant Brown is stationed.

APPLETON—COWAN

Virginia Appleton, I. J. '37, was married February 7 to Otis Cowan at the home of the Rev. J. David Arnold, Manhattan. Since her graduation, Mrs. Cowan has been in newspaper work, recently as city editor of the Manhattan News. They are at home in Shawnee, Okla., where Mr. Cowan is manager of a theatre. Until his resignation a short time ago, he was manager of the Wareham, State and Carlton theatres, Manhattan.

HALL—FAIRBANKS

Helen Gertrude Hall and Lt. Gustave E. Fairbanks, Ag. E. '41, were married February 22 at the home of the bride's parents in Mayetta. For the past three years the bride has been employed in Topeka as PBX operator for the state motor vehicle department. Lieutenant Fairbanks is now an instructor in the military department of the R. O. T. C., Kansas State College. He is a member of several engineering fraternities. They are living at 1011 Fremont.

ELLIOTT—MILLER

Marjorie Bradley Elliott, f. s. '30, and Capt. Harry E. Miller, G. S. '32, were married January 24 in the First Methodist church in Oklahoma City. Mrs. Miller, a member of Pi Beta Phi sorority, is prominent in amateur theatricals and active in civic work. She is a member of the Topeka Junior League and P. E. O. Captain Miller, affiliated with Beta Theta Pi fraternity, has his LL. B. degree from Washburn college. He is now stationed at Ft. Sill, Okla., soon to be transferred to San Luis Obispo, Calif., where Mrs. Miller will be with him.

BIRTHS

Louise (Huey) Pfister, H. E. '32, M. S. '33, and William Pfister, Billings, Mont., have a daughter, Ellen Louise, born January 23.

John G. Poole, Ag. '41, and Lois (McVay) Poole, f. s., have a son, John Brown, born Thursday, January 29. They live on Route 2, Manhattan.

Sue (Irons) Beebe, H. E. '33, and Harold D. Beebe, 3704 Santiago, Tampa, Fla., have a son, Donald DeForest Beebe, born Sunday, February 15.

Earle Arthur was born February 14 to Esther (Herman) Partington, Com. '30, and Paul L. Partington. They live at 3459 Eastchester Rd., Bronx, New York City.

Lt. Robert E. Rion, Com. '39, and Elizabeth (Campbell) Rion, I. J. '38, have a son born February 11. He has been named Paul Campbell. Mrs. Rion is with her parents at Wetmore, Kan., while her husband is at Ft. Dix, N. J.

E. D. Chilcott, Ag. '32, and Barbara (Brubaker) Chilcott, G. S. '32, have sent announcement of the birth of their son, James Howard, February 25. They live in Ashland, Kan., where Mr. Chilcott teaches vocational agriculture.

Vern Morris, Bus. Admr. '40, and Pauline (Cooper) Morris have chosen the name, Michael Lile for their son born Tuesday, February 19, at the Saint Mary hospital. Their address is 615 N. Juliette, Manhattan.

Linus H. Burton, Ag. '39, and Faye (Kaufman) Burton have a son Linus Homer, Jr., born Wednesday, February 11. The Burtons are at 1425 Pierre, Manhattan, where Mr. Burton is extension landscape specialist at Kansas State College.

RECENT HAPPENINGS ON THE HILL

Rachel Erickson of Manhattan, home economics senior, recently received a check for \$30 for her article, "Girls in Service." Miss Erickson's article appeared in Country Gentleman magazine.

Three outstanding sophomore students of the Coast Artillery unit of the Reserve Officers Training Corps will receive awards at the annual inspection this spring. Mortar and Ball, reserve officers fraternity, will make the awards.

Oscar Brumback of El Dorado, a senior in chemical engineering, has accepted a position with the explosives department of E. I. du Pont de Nemours and Company, Inc., Wilmington, Del. Brumback will begin his work after graduation this spring.

Vann Hess, f. s., was a campus visitor the past week. Hess, who is associated with Mott-Smith Oil corporation, will leave this week for Venezuela, South America, where he will work as a geophysicist. He was in Asia last summer on a similar project.

A drive for 160 or more members of the new organization of the Kansas State College Young Republicans started this week. Officers recently elected are Audrey Jean Durland, Manhattan, president; Margaret Reissig, Topeka, vice-president; Lawrence Alden, Manhattan, treasurer; Harriet Hancock, St. Francis, secretary.

Women in the Division of Home Economics interested in journalism were guests of Theta Sigma Phi, honorary and professional journalism fraternity for women, at an informal get-together Tuesday evening in Kedzie hall. Miss Ruth Botz, assistant editor in the Division of Extension, talked on the parts women trained in home economics can play in the field of journalism.

Among amusing campus happenings are: the cat that made his stage debut Tuesday morning when he leisurely crossed the stage and surveyed Dr. O. W. Warmingham, the assembly speaker, and the student audience; the women in the Division of Home Economics who catch up on lost sleep with occasional naps in Calvin Lounge, sometimes snoring to the amusement or disgust of their fellow students.

The student livestock judging team left this Tuesday for Fort Worth, Texas, to compete in inter-collegiate judging contests at the Southwest Livestock exposition. The students will return March 11. Members of the team are Philip George, Lebo; Edwin Kline, Mentor; Jack Cornwell, St. John; Paul Kelley, Solomon; and John Weir, Glenda. Coach of the team is Prof. F. W. Bell, who accompanied the boys to Fort Worth.

No idle hands are found in the registrar's office this semester. All are busy filling out application blanks of Kansas State College students and graduates for army, naval, marine and air corps positions both active and reserve. Miss Jessie M. Machir, College registrar, stated that she has had innumerable types of blanks sent her for completion. Some require general statements while others ask for more specific material. Many require transcripts. In the latter case the College photostatic machine has proved invaluable.

DEATHS

REED

Mattie Reed, f. s. '89, died January 17 at the home of her niece, Alice (Paddleford) Wood, '25, at Penn Yan, N. Y. She is survived by two sisters, Minnie Reed, '86, of Los Angeles, and Louise (Reed) Paddleford, '91, Penn Yan, N. Y., and a brother, Charles, f. s., of Lindsay, Calif.

REPPERT

Harry W. Reppert, C. E. '10, died February 28 at the University of California Hospital in San Francisco. He had been assistant state engineer of Nevada, at Carson City, for the past 16 years. Survivors include his widow, Myrtle (Hand) Reppert, two daughters, and two brothers, one of whom is Hugh E. Reppert, '10, of San Diego, Calif.

SIGMA PHI EPSILON ANTICS WIN TROPHY IN CAMPUS VAUDEVILLE

Y-ORPHEUM NUMBER A TAKE-OFF ON 'HELLZAPOPPIN'

Alpha Xi Delta Second in Annual Show; Girls' Glee Club, Betton's Orchestra, Fort Riley Artists Give Performances

Sigma Phi Epsilon's efforts to give a war-conscious crowd a few laughs won for the social fraternity first place in the competitive-act group of the annual Y-Orpheum Friday and Saturday nights in the College auditorium.

Dr. H. T. Hill, head of the Department of Public Speaking, presented the winners trophy to Sigma Phi Epsilon Saturday night. The trophy for second place was given to the Alpha Xi Delta social sorority, which presented a weird dance of death in its stunt, "Jungle Rhythm."

GIRLS' GLEE CLUB PERFORMS

The Sigma Phi Epsilon act, "Eccentrics," was patterned after "Hellzapoppin," a successful stage play of a year ago in which much of the acting took place in the audience.

A highlight in the evening's entertainment was the presentation of "A Song of India" by the Girls' Glee club under the direction of Edwin D. Sayre, associate professor in the Department of Music, in its act, "A Song of India." Accompanist Alice Jefferson, professor of music who returned two years ago after three years of teaching in Lucknow, India, planned the music, dances and costumes for the act. Miss Irmel Williams, instructor in the Department of Physical Education, directed the dances.

Matt Betton's orchestra opened the program, sponsored by the YMCA and directed by Norman Webster, assistant professor of public speaking. Whistling, vocal, piano and tap dancing novelty numbers were presented by Pvt. Bill Bradley, Sgt. Bud Gammon, Cpl. Bob Mullen, Pvt. Lee McHenry and Pvt. Franz Schneider, all of Ft. Riley.

APPLAUSE A FACTOR

Delta Delta Delta, Phi Delta Theta and Pi Beta Phi presented competitive acts. Delta Delta Delta's black-faced Negro songfest was set in the suburbs of an old Southern city. "Somewhere-Somewhere" by Phi Delta Theta had as its theme "America Salutes You!" Pi Beta Phi presented a "Chinese Episode" in which a Chinese dance and oriental costuming were featured.

Competing acts were judged at each performance by judges and audience applause. The two judgments were coordinated to determine the winners. The three judges were Miss Kathleen Knittle, assistant dean of women; C. J. Medlin, graduate manager of student publications; and Miss Edith Campbell, instructor of English at the Manhattan high school.

RESULTS OF TESTS TO BE SHOWN AT ANNUAL LAMB FEEDERS' DAY

Stockmen from Nearby States Are Expected to Take Part in Program Saturday at Garden City

Results of lamb feeding tests comparing several western Kansas roughages, including sorghums, alfalfa hay and threshed alfalfa straw in lamb fattening rations, will be shown at the eighth annual Lamb Feeders' day in Garden City at the Branch Agricultural Experiment station on Saturday, March 14, R. F. Cox, sheep specialist of the station, has announced.

Approximately 500 head of range lambs are on feed at the Garden City station and are divided into 10 lots of 50 lambs each. The different lots will be compared during the forenoon meeting, which will begin at 10 o'clock Mountain War Time (11 a. m. Central War Time). The station is located five miles northeast of Garden City on U. S. Highway 50-N.

The afternoon meetings will be in the auditorium of Garfield school in Garden City and will begin at 1 p. m. There will be short discussions of different phases of the lamb feeding industry and an illustrated talk with color photographs on the methods of sorghum production in the Great Plains area.

Lamb feeders from the surrounding states of Oklahoma, Colorado and Nebraska and representatives of commission firms, meat packing companies and others interested in the industry will be in Garden City for the meeting, Cox said.

EVERYDAY ECONOMICS

By W. E. GRIMES

"In times of extreme emergency such as the present the matter of debt becomes of less importance."

The debt load which a nation can carry is determined by the state of mind of the people. If they decide that a huge debt is desirable or unavoidable and are willing to accept the consequences of such a debt, it can rise to large figures. At present the American nation has before it a task that it is determined to see through to a successful conclusion regardless of cost. When people are in such a state of mind, a large debt can be incurred and carried.

Large debts mean high taxes. Under present circumstances they mean

that a considerable part of the income of each of us goes for purposes of destruction. But the sacrifice is necessary and worth while so we agree to it. In times of extreme emergency such as the present the matter of debt becomes of less importance. If the people of America are willing to pay high taxes under war conditions, and they always are willing to do so, it follows that the taxes required to carry the debt can also be borne if and when peace comes.

NUTRITIONISTS OF STATE WILL MEET HERE TO DISCUSS HEALTH CAMPAIGN

Miss Ruth McCammon of Federal Security Agency Will Confer with Group on College Campus

Mobilizing civic, health and educational forces of the state in a campaign for better health through nutrition, 30 representative leaders have been invited to a meeting of the state committee on Nutrition in Relation to National Defense at Calvin hall Saturday.

Miss Ruth McCammon, recently appointed regional nutritional director, Federal Security Agency, will confer with the group on an aggressive program. The committee, headed by Dean Margaret M. Justin of the Division of Home Economics, was appointed in December, 1940, by Gov. Payne Ratner and set educational wheels in motion with a state conference in Topeka in October, 1941.

Dean Justin has sent invitations to Miss McCammon; Miss Edna Hill, Miss Viola Anderson, Miss Kathryn Tissue, Miss Hermine Zippel and Dr. Ralph I. Canuteson, University of Kansas, Lawrence; Miss Ruth Simpson, Kansas State Teachers college, Pittsburg; Miss Margaret Haggart, Kansas State college at Fort Hays; Mrs. Paul Edgar, North Topeka; Mrs. James H. Whipple, Miss Hazel Thompson, Clarence G. Munns, Dr. Paul E. Belknap, Miss Pearl Rorabaugh, James O. Corder, and Miss Florence McKinney, Topeka; Mrs. C. M. McDonnell, Wichita; Walter Varnum, Lawrence; Dr. Clyde E. Blake, Hays.

From Kansas State College, Dr. Martha S. Pittman, head of the Department of Foods and Nutrition; Miss Georgiana Smurthwaite, Kansas home demonstration leader; Dr. W. E. Grimes, head of the Department of Economics and Sociology; Dr. J. S. Hughes, professor of chemistry in charge of Animal Husbandry, Agricultural Experiment station; Dr. Katharine Roy, head of the Department of Child Welfare and Euthenics; Miss Mary Smull, manager of the cafeteria; Miss Gertrude Allen, and Miss Mary Fletcher, assistant professors in foods and nutrition, Division of Extension.

NEW ENGINEERING DRAWING SESSION BEGINS ON CAMPUS

Twenty-four Students Enroll in Tuition-Free Defense Training Course

Twenty-four new students have begun training in a new session of Engineering Drawing, one of the Defense Training program courses at Kansas State College. Tuition-free, the course is offered at frequent intervals throughout the year under the sponsorship of the federal government.

Entrance requirements are high school graduation with two years of work in mathematics. Students who complete the course are qualified for jobs as inspectors and draftsmen in defense industries. Trainees completing the work have reported holding positions with aircraft companies in inspection, production, shop work, drafting and design departments, according to Prof. W. W. Carlson, defense training supervisor at the College.

Martin To Ice Cream Dealers

Prof. W. H. Martin of the Department of Dairy Husbandry will speak before ice cream dealers of Kansas and Missouri when they meet Tuesday in Kansas City. Martin is secretary of the Kansas Association of Ice Cream Manufacturers.

HOME ECONOMICS STUDENTS LAY PLANS FOR 1942 HOSPITALITY DAYS PROGRAM

Marcelle Norby, Cullison, and Mary Cawood, Wetmore, Are Directors of Annual Event

"United for Service" is the theme which will be portrayed in exhibits and programs by home economics women at their annual Hospitality Days, sponsored by the Division of Home Economics, April 16, 17 and 18. Marcelle Norby, junior from Cullison, and Mary Cawood, sophomore from Wetmore, are chairman and vice chairman for the three-day event.

Activities will open with the home economics student banquet Thursday, April 16. Announcement will be made at the banquet of new members of Omicron Nu, national honorary home economics society, and freshman counselors will be named for the following year. New officers of the Home Economics club will be installed.

Preceding the opening of exhibits Friday afternoon will be a student assembly with the theme, "United for Service."

Students and their teachers, representing schools over the state, will attend "High School Day" Saturday. Scheduled for the visitors are judging contests, a noon luncheon, tours of the exhibits and Van Zile hall, and afternoon tea. Representatives from each school will take part in a special assembly in modeling clothing which they have made.

A Hospitality Days issue of Betty Lamp, student publication of the division, will be distributed among the guests.

The "Hospitality Hop" semi-formal dance for all home economics students and escorts, in Nichols gymnasium Saturday, April 18, will climax the three-day home economics event.

GRASS SILAGE IS BENEFICIAL TO FLOCKS, REPORTS PAYNE

Provides Supply of Nutritious Green Feed Rich in Vitamins A and G

The benefits of spring pasture for poultry flocks are being utilized in the fall and winter by the use of "canned" grass silage by the flocks at the Kansas Agricultural Experiment station, says Prof. L. F. Payne, poultry specialist at the station.

"The advantage of grass silage to poultry is that it makes possible a supply of nutritious green feeds, high in vitamins A and G, during the season when such feed is not usually available," Professor Payne points out.

Any of the cereal grasses, he says, can be used, such as oats, barley, wheat, rye, Sudan, clover or alfalfa. The crop is check drilled at the rate of three bushels, each way, per acre, and should be rolled smooth after drilling.

The oats used at the experiment station gave an average yield of about three to four tons an acre when cut eight weeks after planting. Professor Payne explains that the grass is highest in vitamins, proteins and minerals at this stage.

The grass is cut with a mowing machine and kept free from trash and dirt. Not more than one-half to one hour should elapse between cutting and putting it in the containers. The feed should be cut in about one-half-inch lengths for best results. A preservative of equal parts, by weight, of molasses and water is added at the rate of eight pounds for each 100 pounds of grass. It is important that the grass be trampled tightly into the container so as to exclude all air pockets.

Student Dietitians To Fort

Thirty-five Kansas State College home economics students majoring in dietetics and institutional management will go on a field trip Thursday. The girls were invited by Maj. V. L. Robinson, quartermaster corps commandant, to visit the Seventh corps kitchen school for bakers and cooks at Ft. Riley, Kan.

CLOSE GAMES STAND OUT IN REVIEW OF DOWN-AGAIN, UP-AGAIN SEASON

With Three Wins in Ten Games, Wildcat Cagers Are Seen As Hard-Luck Team of Big Six

The Wildcat cagers, winners in only three Big Six contests during the past season, and losers in seven loop games, ended their season last week as the hard-luck team of the Big Six.

Though they ended the season with a .300 average in games won, the average difference in points between the Wildcat score and that of the opponents was approximately three points, or less than two goals a game. Until the final, disastrous debacle caused by the accuracy of the Jayhawk big guns, the difference in number of points was only 1.3 points, or a little more than one free throw a game.

The K-Staters dropped their first four conference contests of the season. Nebraska started the string of defeats by downing them 44-38 in the initial loop game. The University of Oklahoma Sooners won the next two contests, 47-40 and 26-25. A 46-44 loss was the result of the meeting with the University of Kansas Jayhawks the following week.

Back on their home court, the Wildcats won their first loop game when they downed Nebraska 38-35. The Iowa State Cyclones then stopped the Wildcats with a 44-43 win, and the University of Missouri cagers won a 44-36 decision.

The following week, the Wildcats came back to whip the Tigers on the Columbia court, 42-35 and followed up their second win with another at Iowa State, 36-34.

In the last game of the season, a game which could have broken Kansas university power and the tie for first place between the Sooners and the Jayhawks, the Wildcats were unable to curb the deadly shots of their in-state rivals and lost 45-26.

KANSAS STATE TANKMEN WIN SECOND IN ALL-CONFERENCE SWIMMING MEET

Leo Yeo Leads Wildcats at Ames as He Places First in 60-Yard and 100-Yard Free-Style Events

Trailing the champion Iowa State Cyclones by 22 points, the Kansas State swimmers became runners-up in the all-conference meet in the Ames pool Saturday. The Cyclones, led by Brian Brown, winner of three events, garnered 67 points as they won their fifth straight championship in Big Six swimming competition.

Leo Yeo, Manhattan, swimmer in the shorter dashes, paced the Kansas State group toward its 45 points with two firsts in the 60- and 100-yard free-style events. The only other first won by Kansas State was in the 400-yard relay event. The team was composed of Harold Novak, Ottawa; Wayne MacKirdy, Manhattan; Harold Kalousek, Kansas City; and Yeo.

Two new records were set in the finals. The Iowa State 300-yard relay team turned in a time of 3:12.7 for the distance; and Les Oldfield of the University of Nebraska set up a new mark of 1:46.1 in the 150-yard backstroke. The Cornhuskers were third in the meet, and the University of Oklahoma was fourth.

Color Film Expert Coming

Harris B. Tuttle, a leading authority on color film, will speak to College faculty members, students and other interested persons at a meeting April 7 at 7:30 p. m. in Willard hall. Tuttle, of the Eastman Kodak company, will discuss new developments and interesting points in color photography useful to both beginners and experienced workers. He will give tips on getting good results.

Will Relate Experiences

Mrs. Bessie Brooks West, head of the Department of Institutional Management, will give an informal talk on her experiences at Hawaii at a meeting of the Junior A. V. M. A. auxiliary this evening at 8 o'clock. The meeting will be in the tea room of the College cafeteria.

MORE THAN FIFTY GRIDDERS OUT AS SPRING TRAINING IS STARTED

NEWCOMERS HAVE OPPORTUNITY, SAYS COACH ADAMS

New Conditioning Program Will Allow All Interested Men Students to Play Football and Compete for Squad

More than 50 football players turned out for spring training Monday in response to the call of Hobbs Adams, K-State football mentor, for material. With few veterans remaining from last year's squad, Adams will be forced to build the 1942 team from the present group of inexperienced men.

With the graduation of ten seniors from last year's team, and with the entrance of many undergraduate squadmen into the armed forces of the country, Adams declared that there were plenty of chances for newcomers in every position.

CHANCE FOR ALL MEN

Earlier this spring, the Department of Athletics announced, through Adams, that Kansas State College would cooperate in the conditioning program recommended by the government in connection with national defense.

Under the program planned at Kansas State, every male student who wishes to play football, regardless of age or size, will be given a chance to compete for varsity positions on the Wildcat football teams. Those who fail in this attempt will be put on teams with men of equal ability to enter intra-school competition. Adams announced at that time that he believed this program of practice would uncover some promising material hitherto unknown.

EXPECT TO BE CALLED

In addition to those who have already left school, there are others who expect to enlist or be called into the service soon. Among the undergraduate squadmen who have already announced that they will not return next fall are Zeno Berger, San Diego, Calif.; Wayne Sundgren, Hays; Phil Lane, Manhattan; Don Shaffer, Kinsley; Bill Cochran, Salina; Lee Jones, Pretty Prairie; Dick Rogers, Manhattan; and Earl Williams, Manhattan.

The seniors who will not return are Ed Huff, Marysville; Bill Cook, Manhattan; John Hancock, St. Francis; Norbert Raemer, Herkimer; Frank Barnhart, Ft. Riley; Richard Peters, Valley Falls; Ray Rokey, Sabetha; Kent Duwe, Lucas; Max Timmons, Fredonia; and Lysle Wilkins, Delphos.

BATSMEN QUIT NICHOLS GYMNASIUM FOR OPENING PRACTICE ON DIAMOND

Twenty-Six Report to Coach Frank Myers; All Big Six Teams but Jayhawks Plan to Compete

A group of 26 baseball hopefuls, including 17 veteran Wildcat squadmen, reported to Coach Frank Myers Monday for the beginning of outside practice. Until this week, cold weather has forced the players to do their preliminary limbering-up exercises and practicing inside Nichols Gymnasium. Monday marked the first day that they have appeared on the practice diamond.

Lettermen from the 1941 Wildcat squad who are returning this season are Ray Dunlay, Parsons; Warren Hornsby, Topeka; Neal Hugos, Manhattan; Charles Kier, Mankato; Ray Rokey, Sabetha; Norbert Raemer, Herkimer; Jim Prideaux, Manhattan; Lee Doyen, Rice; and Floyd Kirkland, Junction City.

Only five of the schools in the Big Six conference have announced that they will have baseball teams this year. The University of Kansas has not yet announced that its team will participate in conference games.

Concert a Success

According to Arlin Ward, College Celebrity Series board manager, the financial success of the first number of the series, the Kansas City Philharmonic concert, will insure a second number the latter part of April this year. He stated that it is a possibility the series will present a soloist for the second number. In addition to townspeople and faculty, more than 2,000 students attended the entertainment, and Ward said that Karl Krueger, director of the Philharmonic, was well pleased with his audiences.

THE KANSAS INDUSTRIALIST

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Number 22

ANNOUNCE PLANS FOR FOUR-WEEK SUMMER TERM OPENING JULY 27

WILL OFFER COURSES TO MEET
STUDENT NEEDS

Short Session Will Begin at Close of
Regular May-July School; Surveys
Expected to Show Studies
Most in Demand

Plans for a new four-week summer school beginning July 27—at the close of the regular nine-week summer session—have been announced by authorities at Kansas State College.

Prof. E. L. Holton, dean of the summer school, said the session "definitely" would be conducted, unless "it turns out that preliminary estimates of the demand for such a school are inaccurate."

More complete surveys are being conducted on the campus in order to determine how many students now in school may be expected to attend and what courses they would need. Before final arrangements are made, moreover, students enrolling in the regular nine-week summer session beginning May 27 will be given an opportunity to express their wishes about an additional summer school.

CATER TO STUDENT NEEDS

Just what courses will be offered at the four-week term, has not been decided. The program, said Dean Holton, will depend on student preferences.

This decision, College officials pointed out, "is in line with the institution's policy to cooperate as fully as possible in giving such work as students require in order either to finish their college careers in a shorter time, or to prepare themselves as quickly as possible for specific work." The policy of the College, they said, must be guided by the needs of the country at war.

The normal load for the four-week session, reported Dean Holton, will be four semester hours of study. The term will come under the College's accelerated program, however, so that students with high scholastic standings may be permitted slightly heavier schedules.

NO DECISION ON FEES

Dean Holton also pointed out that, whereas under the announced stepped-up program of study, students could complete work for a bachelor's degree in six semesters and three summer sessions, by attending the new four-week sessions each summer they could earn degrees in even less time.

Final decisions concerning fees have not been made, Dean Holton indicated, although he said the regular incidental fee probably would be ten dollars. Requirements for admission presumably will be unchanged.

Basing his estimate on a random sample taken recently, Dean L. E. Conrad of the Division of Engineering and Architecture said today that slightly more than 250 engineers might be expected to attend the short term.

Prix Will Elect Soon

New members of Prix, junior women's honorary organization, will be chosen soon by sophomore and junior women and faculty members to whom questionnaires have been sent for scoring. Members of Prix this year are Margaret Bayless, Wakarusa; Margaret L. Hill, Topeka; Faye Clapp and Mary Margaret Arnold, Manhattan; Betty Lou Wiley, Tonganoxie; Jean Alford, Kansas City, Mo.; Marcile Norby, Cullison; Patricia Townley, Abilene; Patricia Beezley, Girard; and Carol Stevenson, Oberlin.

Attend Art Conference

Miss Dorothy Barfoot, head of the Department of Art, Mrs. Mary Eck Holland and Miss Rose Marie Darst, instructor and assistant professor in the art department, attended the art exhibition and conference for junior and senior high schools at the University of Kansas Friday.

Physiologist



DR. A. J. CARLSON

PHYSIOLOGIST WILL SPEAK TOMORROW TO STUDENTS AND FACULTY MEMBERS

Dr. A. J. Carlson, Professor Emeritus at University of Chicago, An Assembly Speaker

Dr. A. J. Carlson, professor emeritus of physiology at the University of Chicago and one of the nation's best known physiologists, will speak to Kansas State College students and faculty members Thursday.

The Chicago educator, who is editor of the *Physiological Reviews*, is expected to discuss thought processes versus emotions at a general assembly in the College auditorium at 9 a. m.

A native of Sweden, Professor Carlson came to this country in 1891 at the age of 16. He attended Augustana college at Rock Island, Ill., graduating in 1898 and receiving his master's degree the following year. In 1903 he received his Ph. D. degree from Stanford university.

As a lieutenant colonel in the Sanitary corps of the U. S. Army, the physiologist served with the A. E. F. in France during 1918-19.

Doctor Carlson was appointed to the faculty of the University of Chicago in 1904 and was given the rank of professor in 1909. Except for the years spent in the army, he was on the staff at the same university until his recent retirement.

The eminent scientist is a consultant for the Food and Drug administration and a member of the Public Health service, the National Foundation for Infantile Paralysis, and the National Academy of Science.

COLLEGE ADDS FIRE TRUCK, PUMP UNIT TO EQUIPMENT

Building and Repair Department Assembles Own Protective Apparatus

A fire truck and pumping unit with 750 feet of hose has been added to the College fire fighting equipment, according to G. R. Pauling, superintendent of maintenance.

The pumping unit on the truck is capable of throwing 500 gallons of water a minute and supplies two hose lines of the regular two-and-one-half-inch size. Operating tests were made last week to check the condition of the truck and fixtures.

The truck was assembled by the Department of Building and Repair. It is made from a used car chassis, upon which the pump and hose have been mounted. This is the first fire truck owned by the College.

Four Students To Quill

Four students were elected to Quill club, national literary society, at the last meeting of the organization. New members are: Margaret De Donder, St. Marys; Margaret Bayless, Wakarusa; Marcile Norby, Cullison, and Elinor Mae Hendrix, Aliceville. Initiation will be at the next meeting of Quill, March 24, in Calvin lounge.

COLLEGE WILL TRAIN RED CROSS CANTEEN AIDES FOR EMERGENCY

PLAN PROGRAM FOR STUDENTS,
ONE FOR DIETITIANS

Classes Begin for Coeds—Refresher Course in April Will Give Instruction to Kansas Women

Emergency feeding of communities in case of disaster will find the Red Cross canteen aides in Kansas well prepared as a result of special training begun by the Department of Institutional Management under the direction of Mrs. Bessie Brooks West.

Classes in Canteen training for 35 College students began Tuesday night, and dates have been set for a refresher course on the campus where dietitians of the state will receive instructions for teaching women in their own communities.

PLAN REFRESHER COURSE

The student classes, which include 10 hours of training for Canteen aides, are composed of women in institutional management and dietetics and food school service. Meetings will be held Tuesday nights at Van Zile hall, under the direction of the faculty of the Department of Institutional Management. No College credit is given, but the students will receive a Red Cross certificate.

April 16, 17 and 18 have been designated for the refresher course, the second type of training offered here. This course, handled on the same basis as that offered at the College last summer for nutrition, is composed of dietitians who are volunteering to teach others canteen operations. They will be prepared as instructors for both the 10-hour Canteen aide course and for the 40-hour course in the canteen corps work. No tuition is charged, but each woman will be responsible for her own expenses while in Manhattan.

INVITE MARRIED WOMEN

Eligible to attend will be women who have a bachelor of science or a bachelor of arts degree in home economics with a major in dietetics or institutional management, and who have had at least one year of experience. This includes experience in hospital dietetics or institutional management, of school or other cafeteria, or in management in a public or private institution.

Although all dietitians are welcome to the refresher course, Mrs. West hopes to reach many of the married women who have leisure time to devote to defense effort.

TWO HONORED BY ENGINEERS AT ANNUAL ST. PAT'S PROM

Shirley Kilmer, John St. John Feted; Open House Trophy to Civils

Shirley Kilmer, freshman in journalism from Kirwin, and John St. John, senior in mechanical engineering from Wichita, were crowned St. Patricia and St. Pat at the annual St. Pat's Prom in Nichols gymnasium Saturday night. The dance climaxed the 22nd Engineers' Open House.

Larry Spear, manager of this year's Open House, estimated that "nearly 15,000 people" attended the exposition.

The Steel Ring trophy, offered each year to the department in the Division of Engineering and Architecture which presents the best exhibit, was won by the Department of Civil Engineering. The trophy is presented by Steel Ring, honorary engineering fraternity.

Leon Findley, Kiowa, was secretary of the Open House committee and Bill Bixler, Emporia, was publicity chairman. Nineteen committees composed of nearly 100 students were responsible for the exposition.

Talks To Poultry Club

Prof. Edwin C. Miller, Department of Botany and Plant Pathology, explained "My Philosophy of Life" at the March meeting of the Poultry club last week.

Nutritionist



MARGARET JUSTIN

NUTRITIONIST TELLS KANSAS WOMEN TO PRACTICE CORRECT EATING HABITS

For Health and Vigor, Homemaker Must "Do" More than "Know," Advises Miss Ruth McCammon

For healthy, vigorous Kansans, homemakers must do more than "know" good nutrition; they must practice it, Miss Ruth McCammon, regional nutritionist, Federal Security agency, advised the state committee on Nutrition in Relation to National Defense here Saturday.

Even with tight budgets, familiar everyday foods can assure optimal nutrition if they are prepared correctly and selected wisely, she stated.

Headed by Dean Margaret M. Justin of the Division of Home Economics, committee members and other health leaders of the state who met at Calvin hall approved refresher courses for canteen training and considered study in consumer interests. Miss Marjorie Heseltine, consultant in nutrition, United States Children's Bureau, Washington, was a guest.

To do a satisfactory job of selling "health for defense," each community must assume individual responsibility, Miss McCammon asserted. Although hundreds of women of the state are attending classes and lectures sponsored by various organizations, the 49 per cent of the women not members of such groups must be reached by other methods.

Special reports were made by Dr. Clyde E. Knapp, of Hays, president of the Kansas Medical society, and Clarence E. Munns, of Topeka, executive secretary of that association; Mrs. Lucile Rust, professor of home economics education, Dr. W. E. Grimes, head of the Department of Economics and Sociology, and Miss Gertrude Allen of the Division of Extension, of Kansas State College.

SIX ARCHITECTURE STUDENTS COMPETE IN LIGHTING DESIGN

Must Stress Illumination in Plans for Building Housing Super Food Market

Six students in the College Department of Architecture are competing in a regional architectural contest sponsored by the Illumination Engineering society, a national organization. Each student is required to design a building located in a suburban area that will house a super food market. Special emphasis is placed on the arrangement and lighting of the interior and the display windows.

Prizes will be awarded for the three best drawings in each region. These three drawings in turn will be entered in a final contest including regions in Canada and the United States.

Kansas State students participating are Audrey Jean Durland of Manhattan; Dean Laramie, Pueblo, Colo.; Robert Rosenfeld, New York City; William Ross, Coffeyville; Paul Wright, Osawatomie; and Carol Lewis, Salina.

TO ADD INDUSTRIAL TECHNOLOGY CURRICULUM ON TWO-YEAR BASIS

COLLEGE WILL TRAIN BOTH MEN,
WOMEN FOR INDUSTRY

Division of Engineering and Architecture Will Administer Studies Leading to Certificate; Other Changes Announced

A new two-year curriculum in Industrial Technology, designed to prepare men and women for early service in production plants, will be added to the Kansas State College schedule, it has been announced by President F. D. Farrell.

The program, a product of the war emergency, will begin May 27, at the opening of summer school. Admission requirements for the curriculum will be the same as for students enrolling in the Division of Engineering and Architecture, and the regular College fees will apply.

UNDER STEPPED-UP PLAN

The two-year curriculum which will prepare persons for service in industrial production will lead to a certificate in Industrial Technology, which will be awarded with the approval of the state Board of Regents.

Prof. L. E. Conrad, dean of the Division of Engineering and Architecture, assured prospective candidates for the work that the curriculum would come under the College's newly accelerated program which will allow students to complete their work in less time. The curriculum, designed as a four-semester program, may be completed in three semesters and two summer sessions. Thus freshmen enrolling in the curriculum this summer could complete work for the Industrial Technology certificate at the end of the fall semester, 1943.

The courses approved for the program include beginning and advanced work in mathematics, chemistry, engineering drawing, machine shop and similar studies. Students under the program will be expected to take physical education and military science.

FOUR NEW COURSES

The president also announced several changes in the courses offered by the Departments of Shop Practice and Chemical Engineering.

In shop practice these two courses were added: Gages and Measurements, a study of the systems of measurements and the use of various types of gages and devices for checking industrial projects; and Industrial Control, a study of the supervisory and administrative problems essential in the control of industrial production.

Three courses were dropped in chemical engineering—Chemical Engineering Thermodynamics, (a three-hour course), Inorganic Chemical Technology recitation, and Organic Chemical Technology. Added were: Chemical Engineering Thermodynamics (a five-hour course); and Chemical Technology, application of physical chemistry, unit operations and economics to the chemical process of industries.

Melchers To Insurance Men

Prof. L. E. Melchers, head of the Department of Botany and Plant Pathology at Kansas State College, and specialist in plant diseases, addressed the agents of the farm and hail department of the Continental Insurance company in Wichita, recently. He dealt with "Lodging, Breaking-over, and Crinkling in Wheat," common disease symptoms that are confused with hail damage. About three hundred agents from the spring and winter wheat states attended.

All-School Honorary Elects

Dynamis, all-school honorary society, recently elected officers for the coming school year. Mary Marjorie Willis of Newton is the new president. Other officers are Kenneth Palmer, Cheney, vice-president; Nan Sperry, Overland Park, secretary; and Don Phinney, Russell, treasurer.

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KENNEY FORD, Alumni Editor

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WEDNESDAY, MARCH 18, 1942

NO PAINLESS TAX

Apparently the only significant conclusion one may draw from discussions of current proposals for new taxes is that there is no levy which is both equitable and politically and economically expedient. Apparently none conforms to Adam Smith's four canons—that it be extracted in whatever quantity needed, as painlessly as possible, with a maximum of sureness and a minimum of confusion and doubt on the part of the Taxpayer and on the basis of "ability to pay."

The general sales tax? Well, it's regressive. That is, its impact is relatively greatest on low-income groups. Of course, this very feature makes it, in some respects at least, an effective deflationary measure. It is paid out of that portion of our national income which has high consumptive efficiency—dollars which in large part would normally be spent immediately for consumer goods. Moreover, as taxes go it is relatively painless. However, the fact that it hits hardest at the lower- and lower-middle-income groups makes it politically undesirable, and in many respects socially and economically objectionable.

A selective sales tax? Still regressive, unless it were strictly a luxury tax—and not sufficiently productive.

More drastic income taxes? Drastic in what way? Should we increase the rates for the higher-income groups? And take away the incentive to succeed in life? Never! Anyway, such a measure would have little deflationary effect, for the consumptive efficiency of these incomes is very low. Likewise, a further broadening of the base of taxes to be paid next March would have little effect on price inflation in 1942. Furthermore, the political repercussions from income taxation of the "little man" are similar to those from the sales tax.

What about a stiffening of corporation tax rates or a tightening of excess profits levies? Would you deprive us of incentive to produce? Do you think the fear of extinction is spur enough? Moreover, there is a greater danger. The inevitable consumption of capital goods, during wartime, the loss of tools of production through failure to replace and repair, would be increased by these measures. As a result, industrial efficiency would drop when we needed it most. At the conclusion of the war when production of consumer goods should be expanded enormously we would have to wait till our industrial plant was rebuilt.

A payroll withholding tax, or an increase of social security payments? The economist likes these as a partial solution, but he's not sure the politician does. They are deflationary, in the long run only mildly painful, and may be administered economically. They are, however, disconcertingly direct and blunt, and the mere fact that they are based on dollar income does not mean they are levied according to ability to pay.

Perhaps, after all, the economist is correct when he says that no single type of emergency tax or even a limited number of types, is fair; only a "program" can be equitable. Apparently the only program which will (1) bring in the funds needed, and (2) operate to depress skittish prices, will be one which is most difficult to achieve in a by-election year: One which hurts, while it helps, us all.

YOUTH AND UTOPIA

Perhaps the chief difference between the generations is that the young people hope to achieve social changes more quickly than their elders. But their elders had the same hope, and only experience taught them that it is a slow grind, and that it cannot be done with impetuous joy, or with any temporary suspension of the moral code. When you are along in life and can look around you, you measure what it is your generation has done, you see a far different view of the Jerusalem that was to be built in this green land. You see that this Jerusalem is not a mirage, but that it is a tedious compilation, and you see quite clearly that what one gives to erecting it is not something outside oneself, but from the very innermost heart of oneself. One sees that this Jerusalem is not a dream, but a reality, and this reality is the sum total of individuals, and its strength and value are no more and no less than the strength and value of those individuals. Whatever trickery and deceit you take with you to this destination stays with you. The means you employ to achieve what you want become part of your achievement. And if you think you are building a better society by temporary deceit, you will be astonished to find that the deceit is not temporary, it is a permanent part of the society you have built. You do not arrive at the moment when you can throw off the social moralities, for social immoralities never buy anything but social immorality. They do not buy Utopia.—Raymond Gram Swing in commencement address at Brooklyn college.

IN OLDER DAYS

From the Files of The Industrialist
TEN YEARS AGO

Charles C. Smith, '94, was manager of the Southwestern Teachers' agency in Los Angeles, Calif.

Dr. P. L. Gaaney of the College Department of Bacteriology addressed the Manhattan Business and Professional Women's club on political, economic, and social conditions in Russia.

Stanley P. Hunt, '19, professor of mechanical drawing at the University of Wyoming, received praise in a French art publication, Les Artistes d'Aujourd'hui, for two of his water colors, "The Black Pass" and "Wyoming Country." The pictures were on exhibit at the Salon of Independents of New York.

TWENTY YEARS AGO

G. Eldon Thompson, '11, was head of the agronomy department of the University of Arizona, Tucson.

Edna (Coith) Atkinson, '14, was dean of home economics at the Florida State College for Women, Tallahassee.

Charles F. Swingle, '20, left for Bell, Md., where he was appointed as field assistant in nursery stock investigation, handled by the United States Department of Agriculture through the office of horticultural and pomological investigation.

THIRTY YEARS AGO

E. L. Westover, '11, was teaching at the University of Minnesota.

Miss Charlene Furley, assistant in English, planned to attend the University of Chicago during the summer, working for a master's degree.

At the annual reunion and dinner of the Kansas City branch of the Alumni association talks were given by Prof. Albert Dickens and Mrs. Mary P. Van Zile. Officers elected were: Eusebia Mudge Thompson, '93, president; William A. Anderson, '91, vice-president; Horace G. Pope, '94, secretary.

FORTY YEARS AGO

Orville Stingley, '96, was graduated from the Kansas City Veterinary college.

Harry N. Whitford, '90, assistant in botany at the University of Chicago, was engaged as an instructor at the University of Montana biological station, at Flathead, Mont.

Prof. William L. Hall, '98, assistant superintendent of the tree planting division of forestry, was the author of a pamphlet entitled "Forest Extension in the Middle West."

FIFTY YEARS AGO

Ella S. Child, '77, was secretary of

SCIENCE TODAY

By W. W. CARLSON

Professor and Head, Department of Shop Practice

Never before has the industrial engineer of America enjoyed such a supreme test to his ingenuity as that with which he has been faced in the past few months. His is the task of converting the manufacturing of peacetime products into the making of the weapons of war.

But this new job is not just beginning. For many months, while the rest of the country was carrying on "business as usual," the engineers of many of the larger manufacturing concerns have been exercising their foresight in making plans for their part in the war when it would come. While the workmen in the factories were putting out new model automobiles, electrical appliances, and radios that were conspicuously similar to the models of the year before, the engineers were busy with designs of tanks, ammunition, and special communicative instruments for the armed forces. Inventories were being made of machines, tools, fixtures, and other equipment that could be used when and if it became necessary to make the conversion.

What they found from these inventories was that not much of the original equipment could be used for production of war materials. In the modern factory, in which the volume of finished products runs in the millions, advanced engineering has designed many special machines, each for the purpose of making one part and that part only. Since these parts could not be used on the new product, the whole machine was judged as useless. A machine that takes a rough casting at one end and, through a series of 35 different operations, turns out at the other end a finished piston ready for assembly in an automobile engine could not be used in the manufacture of 28-ton tanks, of which the turret alone weighs more than the entire automobile.

So plans were made for ordering new machines. Tools were needed, too; special machines require special tools to work with. And not just a few, but several hundreds. An Oerlikon anti-aircraft gun has 600 separate parts. There are 1,500 parts in a 40-mm. gun mount; 500 in a Bofors gun; 8,000 in an airplane engine; 1,400 in an airplane propeller; more than 9,000 in a Bell Airacobra; 11,500 in the nose and fuselage of a bomber. These parts cannot be made by hand; a multitude of machines and tools are required. The Chrysler tank arsenal, which went into production last fall, needed 1,000 machines and 8,000 tools, every one brand new.

But the new factories (with the exception of the Chrysler tank plant) were still in the blueprint stage when the orders for war machines came. In order to stay financially sound, production had to go on as usual until the government contracts were issued. With the "go ahead" signal given, the new machinery was ordered, factories were cleared, and all the unusable special machinery was taken out to far corners of the lots. Then appeared that now common word, "bottleneck." The makers of the new machinery were swamped and some orders could not be filled for two or three months. Further, there was a shortage of skilled tool-makers, which made it impossible to get all the tools that were needed right away.

This left the question of whether to wait until all the new machines and equipment could be had, so that the highest efficiency and rate of production would be possible, or to try to do the best with what was at hand, giving limited but immediate output. Either one by itself would be the wrong answer. So a combination of the two had to be the solution. The machines on hand were rebuilt. Spindles were taken out and replaced

with others that could do the job. Bases were cut or built up to conform to the pieces that were worked on. A four-spindled boring machine used for V-8 cylinder blocks was rebuilt to bore three holes in a 75-mm. gun cradle. A General Motors plant needed over 3,000 machines. Nine hundred from the original factory were judged suitable to be remade to work on aircraft engine parts. When Chrysler converted its automobile factory to making anti-aircraft guns, 600 out of a needed 2,200 were rebuilt for the purpose. In enlarging its still-new tank arsenal, Chrysler is using 800 machines from the automobile plants, and 1,500 others will have to be new ones. So these rebuilt machines and slower production standard machines, lathes, millers, planers, etc., have been set up in one part of the factories, getting started on war production, while in the other part the new machines are coming in, being set up, and headed toward the time when the factories will be complete and operating at a high rate of production.

So far only metal cutting machines have been mentioned. What about the huge presses that form the car body tops? There are very few parts for war materials that are of large pieces of sheet steel; so the big presses will have to do the work of several smaller presses. By ingenious methods of die making, large dies can be made that will make several small sheet steel parts all in one operation. Cast iron foundries, used formerly to make gears and housings for automobiles, now are acquiring new sets of patterns for making the machines that make the war products. Auto assembly plants, which consist mostly of painting equipment, assembly fixtures, and conveyors, are valuable only for the floor space.

Not much change was needed to utilize the smaller presses. That is, not in the presses themselves. However, a whole new supply of dies had to be made up. None of the dies formerly used for making peacetime products can be used, and they had to be laid aside.

Another problem that faces the manufacturer is the greater difficulties incurred in making some of the parts for war machines. The army and navy designers plan their tanks and guns for their military value, paying less attention to machining problems. The manufacturer must build the parts to specifications and cannot redesign them to make easier working; so he must revise his methods. The army decided to make a tank turret of armor-steel casting instead of the formerly used plate. The rim of the turret was to be machined down to fit onto the top of the tank. Due to the complicated shape of the rim that the army engineer had designed, the pattern for the casting could not be made to conform to the finished dimensions as close as is allowed for most patterns, and consequently the rim section of the rough casting was much larger than necessary. This called for extra machining, and considering the toughness and hardness of the armor-steel castings, roughing tools of entirely new design and material had to be made.

The automotive industry has been chiefly considered here, since it is the first of the large industries to be converted 100 per cent to war production. However, many others are due to follow suit. A company making automatic pencils has put in new dies and is now drawing shell primers. Typewriter companies will soon use their small-size machines for making shell fuses and casting new dies for making rifle parts. Many factories that use general purpose or standard machines have been awarded sub-contracts for war work, such as one California oil-field equipment company that now makes landing gears for Boeing. A toy train maker now makes casings for parachute

where he intended to hang out his shingle as a practicing lawyer.

At the meeting of the Webster society the question, "Resolved, That all Civil Service officers should be chosen by the people," was discussed by E. J. Fairhurst and L. W. Call on the affirmative and J. H. Calvin and J. W. Shartel on the negative. The judges decided in favor of the negative.

flares. A company making electric fans converted its machinery to make boosters for high explosive shells. Metal furniture companies will soon be making gun mounts and bomb carriers. Many other peacetime industries are or soon will be converted to war production.

The industrial engineer today is not only confronted with the problem of designing a plant and machines for an article which is relatively new to him; he also must make use of his technical knowledge in making the best use of the materials he has on hand; and, a new factor that he must consider, in the shortest possible time.

KANSAS POETRY

Robert Conover, Editor

GOING UNDER ETHER

By Margaret De Donder

Nauseating mist of sweet warmth
Cleaves inmost sensual cells
And ferries me, grown anchorless.

I am nothingness of airy light
With voice moved in another room,
My hands—no weight, dull heaviness.

A soft line of light moves motionless;
Rings of sound hang spasmodic;
A thousand fingers touch me to sleep.

Margaret De Donder of St. Marys is a sophomore in industrial journalism at Kansas State College.

SUNFLOWERS

By H. W. Davis

A DELIGHTFUL THING

A little learning is a delightful thing—until you come to.

Listen to your most charming, most convincing war analyst and microphone strategist for a quarter of an hour. He will give you the basic, underlying structure of this vast struggle known as World War II, superimpose thereon the outstanding happenings of the week just passed, point out the trends as indicated in and by these happenings, and for good measure finish up with a most believable preview of the approaching three months.

In brief, he will tell you all you need to know for a considerable spell, and you can turn off the dial and your thinker and bask in the light of your know-it-all as long as you and your friends can stand it.

Yes, you have World War Number Two most firmly by the tail, and you can dispense with daily papers, weekly reviews, and all newscasts. You have the key stuff, and heaven help the poor devil who dares disagree with you.

But, if you slip and fall back into the habit of reading the front page or listening to other newscasters and other convincing analysts, you are sunk. Even if you wait a week and listen to your favorite microphone strategist again, you may discover—if you are keen—that both you and he have forgotten what it was he was so concerned about last Sunday or Thursday. You may discern that he has switched to an entirely new foundation for the War and an entirely new prospect for the future, all because the happenings of the latest week were different.

And if you persist in this concentrated pursuit of truth and hearken only to your favorite for five or six weeks, you will discover—if you are still keen, which you are not likely to be—that he has innumerable sets of basic foundations and prophecies. They will fit any possible combination of happenings imaginable. You will begin to understand that a news analyst, though skilled in analysis, is not necessarily gifted in truth-finding and is ridiculous as a prophet.

If you wish to be delighted with what you know, then, be very careful and very modest in your acquisition of knowledge. Listen to him, that favorite oracle of yours, only once a month or, better still, at irregular intervals averaging once a month.

And avoid discussion or further news-reading or listening. Go into blissful retirement with the situation as you see it so clearly—just after the broadcast by your fountain of knowledge.

A little learning is a delightful thing—while you dream.

AMONG THE ALUMNI

Minnie Reed, B. S. '86, M. S. '93, is praised in The Western Woman as a research expert and authority on economic food value of Hawaiian seaweed. The magazine, sent in by Lillie Bridgeman, also '86 graduate, says, "Scientific research in a field heretofore little explored by women placed Minnie Reed of Los Angeles, years ago, in the forefront of authorities on the subject of Hawaiian economic sea-weeds, a product little known in the United States but having enormous economic values in Japan and in the Hawaiian Islands. In her writings on plants, comprising numerous pamphlets and a bulletin on "Edible Seaweed of Hawaii," she has made a valuable contribution to available scientific data on the subject.

"It was during the seven years she spent in the islands as a teacher that she became interested in the subject. While making this research she learned something of the seaweed industry as it is carried on in Japan, which country practically has a monopoly of the supply of agar-agar and seaweed gelatins in the world market. After her work there, Miss Reed received a fellowship from the National Alumnae association for a year of research abroad. For one year she continued her study and research at the Biological Station at Naples, Italy, and did further work at the University of Berlin after leaving Naples.

"After this experience, Miss Reed devoted twenty-five and a half years to high school teaching in Los Angeles, the greater part of that time being spent at the Jefferson high school. During that period she interested hundreds of students in applied botany, emphasizing the beautification of the home grounds and the cultivation of trees, flowers, and kitchen garden for both beauty and food.

"At sixteen years of age, while still in her sophomore year at Kansas State College, she had her first teaching experience in the English Ridge school in Jackson County, Kan. There, where few shade trees grew, she introduced the idea of an Arbor Day celebration and supervised a suitable planting of native trees." Her address now is 920 South Ogden Drive, Los Angeles.

Flora Rose, D. S. '04, Dr. of Science, '37, has retired from her position as director of home economics, Cornell university, Ithaca, N. Y. Her address is now 618 San Luis Road, Berkeley, Calif.

Dr. Gerald K. Mider, f. s. '09, has practiced medicine in Fresno, Calif., for nearly 20 years. When he visited the campus this winter he called in the Alumni Office and reported that this was his first trip back to the campus since he left in 1909.

A. A. Anderson, C. E. '14, Prof. in Engrg. '20, has been with the Portland Cement association since 1926. He now is manager of the highways and municipal bureau for that company, 33 West Grand Avenue, Chicago. He and Charlotte (Hall) Anderson live outside Chicago at 165 Forest Avenue, Glen Ellyn, Ill. They have a son who is a junior in engineering at Purdue university.

Dr. D. M. Greene, D. V. M. '17, is veterinarian at Peabody, Kan. He and Hazel (Leeds) Greene live on a farm which he operates besides his veterinary practice. Doctor Greene is also active in the American Legion.

Francis Welch, Ag. '20, and Esther (Greer) Welch live at 1714 Rural, Emporia, Kan. They have two children—Ann, 14, and John, 3. Mr. Welch is professor of athletics—coaching football and track at Kansas State Teachers college. He has been on the faculty there since 1920 and has been coach for 14 years. He is a member of the State Athletic commission.

Harry K. Shideler, C. E. '21, is structural engineer for the Portland Cement association, Gloyd Building, Kansas City. He and Mary (Taylor) Shideler, former student of the University of Southern California, live at 6417 Wornall Road, Kansas City.

E. E. Huff, Ag. '22, and Alice (Allen) Huff have a son, Eugene, Jr., who is 14. They live at 805 South Eighth Street, Chickasha, Okla. Mr.

Huff is in the farm management business.

C. E. Agnew, Ag. '23, is field representative in the farm loan division for the Metropolitan Life Insurance company. He and Myrna (Baptist) Agnew are located at 106 East Normal, Kirksville, Mo.

Hugh C. Bryan, Ag. '24, was pictured in a recent issue of the Alumni News from Kansas State Teachers college, Emporia. He has a master's degree from there. In 1924, Mr. Bryan was instructor of science and mathematics at Partridge. This was followed by a similar instructorship at Admire. In 1929, he became principal of the Admire high school, which position he held for six years. He then entered the teachers college as a graduate fellow and received the master's degree in 1936. Immediately afterward, he accepted a position at Colby, where he served for one year. The following year he was elected to the superintendency at Syracuse, where he is now in his fifth year of service.

Since completing his work at Emporia, Mr. Bryan has done additional graduate work at the University of Colorado. He has held membership in the Delegate Assembly of the K. S. T. A. and has also served as vice-president of that organization. For five years he has been president of the Hamilton County Teachers association.

Ida (Snyder) Allison, G. S. '29, was representative of Kansas State College at the inauguration of President Campbell, Florida State college for women, Tallahassee, Fla., February 21. Mrs. Allison and Loren N. Allison, '31, live at 845 Oak Avenue, Panama City, Fla.

Wanda (Riley) Seay, G. S. '30, and W. J. Seay have a son, Riley, almost two years old. They live at 817 North Spruce in Kingman, Kan., where Mr. Seay owns the Ben Franklin store.

Dr. Alva M. Schlehuber, Ag. '31, writes, "I have accepted a new position with the U. S. D. A., Division of Sugar Plant Investigations, as associate geneticist. We've been at Meridian, Miss., since October, 1941. My present duties are studies in the inheritance of sorghos, principally that of sucrose production." He and Veronica (Horsch) Schlehuber may be addressed Route 6, Box 213 C, Meridian.

Curtis D. Sides, E. E. '32, M. S. '36, and Edith (Fritz) Sides, '32, are at Soldier, Kan., where Mr. Sides is superintendent of schools. Last summer he worked for the Bureau of Reclamation electrical design department.

Capt. George W. Boys, E. E. '33, M. S. '34, is at Camp Davis, N. C. His wife, Maxine (Wickham) Boys, P. E. '32, is at 4504 Fairfield Drive, Bethesda, Md.

Lt. Ralph G. Hendrickson, M. E. '35, is at Ft. Ruger, Honolulu, T. H.

Howard G. Kirgis, G. S. '36, has been in the U. S. Marine Corps ever since graduation and has advanced steadily. He first entered the chemical warfare service but was transferred to the air section of the Marine Corps. For the past two years he has been in a searchlight battery of the anti-aircraft service. Since going to Hawaii he has taken up flying and has many hours of solo flying already to his credit. His mailing address is c/o Postmaster, San Francisco, Calif.

F. Wendell Beichley, E. E. '37, is junior engineer, transportation department, Westinghouse Electric company. He gives his address as P. O. Box 8698, Wilkinsburg, Pa.

William B. Danford, Com. '38, is accountant for the Modine Manufacturing company of Racine, Wis., and La Porte, Ind. He lives at 702 Lawrence Street, La Porte.

Fred Klemp, I. J. '39, is employed by Carter-Owens company. He handles much of the work of planning WIBW's direct mail, under supervision of Charles Carter. Carter recently talked to Kansas State journalism students and was assisted in presentation of certain materials on advertising by Klemp. Mr. Klemp lives at 4020 Morrell, Kansas City, Mo.

Ernest C. Sieder, M. E. '40, sent his change of address as 408 South Baxter in Lima, Ohio. He is still with the Lima Locomotive Works, shovel and crane division.

Janet Nutter, H. E. '41, is student technician at 3621 Wyoming, Kansas City, Mo. She will be there until September.

LOOKING AROUND

KENNEY L. FORD

Fred C. Sears, B. S. '92, Amherst, Mass., writes that he plans to bring to his 50th class reunion two reels of movies he has taken in Labrador during his eleven summers working with Sir Wilfred Grenfell and his mission.

He and Alice (Vaugh) Sears have made some plans for the reunion and they are writing to all the class members, urging each to come to the reunion on Alumni Day, May 23.

Mr. Sears inclosed a small snapshot showing himself watching for Jap bombers. He says, "Our village is well organized and we have three stations, all manned every hour of the day and night."

Mr. Sears is head of the pomology department, Massachusetts State college, Amherst.

A gift of \$1,050 has been made to the new Alumni Fund for the purchase of books for the College library.

President Farrell states that the addition of many new books purchased from the Alumni Fund will mean much to the College.

What finer project could alumni choose than that of building a great library on this campus? Every student in the future would benefit from it. A more adequate library means a stronger graduate school and will be of great help in the research program of the College.

Kansas State has many fine traditions. We are proud of her many excellent qualities. The Alumni Fund gives us the chance to build here one of the great libraries among land grant colleges of the country.

Let's put this job over. Send your gift to the Alumni Office.

In looking through the files of the graduates, we find a number of women employed by the Works Progress Administration administering the school lunch program in Kansas. The compiled list includes: Alice (Gulick) Kuhn, H. E. '40, Topeka; Mary (McCroskey) Krumsick, H. E. '31, Topeka; Hildegard C. Knopp, H. E. '41, Hill City; Helen McVey, H. E. '42, Phillipsburg; Mollie McBride, H. E. '33, Atwood; Roberta (Cawter) Meek, Oakley; Margaret Crumbaker, H. E. '19, Colby; Madge D. Hildreth, M. S. '38, Topeka; Elizabeth (Greenlee) Jarvis, H. E. '21, Kansas City, Kan.; Vera MacLeod, f. s. '34, Paola; Lucy Reader, H. E. '40, Wichita; Lorena Foreman, M. S. '39, Wichita; Bessie (Sparks) Loose, H. E. '32, Newton; Mary Louise Meuser, M. S. '21, Parsons; Nelle Flinn, H. E. '16, M. S. '24, Iola; and Frances Shewmaker, H. E. '30, Chanute.

MARRIAGES

BIVAN—BENEDICK

Bettie Bivan was married to Glenn E. Benedick, Arch. '38, on February 22. They are living at 1102 24th Street, Ogden, Utah, where Mr. Benedick is an architectural engineer.

PERKINS—CLEDENIN

Arlene Perkins, H. E. '38, and Robert G. Clendenin, f. s. '39, were married December 30, 1941. They live at 3409 Hall, Dallas, Texas. Mr. Clendenin works for Manor Baking company, Dallas.

ASCHMANN—BRADY

Adelaide A. Aschmann, M. S. '39, and Lt. Fred C. Brady were married in Charleroi, Pa., on Saturday, February 14. They are at home at 1831 Brandon Avenue, Petersburg, Va. Lt. Brady is located at Camp Lee, Petersburg.

DEAN—MILLER

Dorothy Dean, G. S. '40, became the bride of R. Leone Miller, f. s. '41, in a ceremony read by the Rev. Charles T. Brewster, pastor, in the First Congregational church of Manhattan, Saturday evening, February 14. Mrs. Miller is remaining in her position as technician of the Asbury hospital, Salina, Kan.

BOYD—TREMBLEY

Mary Jane Boyd, Music Ed. '41, and Grant Trembley were married Saturday, February 14, in Hutchinson. Mrs. Trembley, a member of Kappa Kappa Gamma sorority, taught music last semester in the Riley rural

high school. Mr. Trembley is a graduate of Kemper Military academy. The couple live on a farm near Arlington.

THOMPSON—ELLIS

Mrs. Jack Ellis, before her marriage last October, was Marion Thompson, H. E. '34, teacher of home economics in the Bonner Springs high school. She resigned her position in February to join Mr. Ellis in Laredo, Texas. Mr. Ellis, for two years foreman of a surveying crew with the U. S. D. A., is now with Lever Brothers, Inc.

McLENON—EYER

Marjorie McLenon, Bus. Adm. '40, and John M. Eyer, E. E. '40, were married at 1:30 Sunday afternoon, February 15, in the McLenon home, Effingham. Mrs. Eyer has been employed in the agronomy department of the College since her graduation. Mr. Eyer is electrical engineer for the Edison company in Chicago. He is a member of Sigma Phi Epsilon fraternity. Their address is 6122 South Kimbark, Chicago.

McKOWN—STEPHENS

Margaret McKown, I. J. '36, and Frank Stephens of Chicago were married in St. Louis, Mo., Saturday, February 14. After a short trip, they are at home at 2213 West Monroe Street, Chicago. Mrs. Stephens taught one year at the Blue Valley district school, Manhattan. For the past five years she has been in the book publishing business in Chicago. At present she is assistant editor at Lyons and Sarnahan, educational publishers. Mr. Stephens is in the jewelry business in Chicago.

PHILLIPS—McKEE

The marriage of Florence Phillips, H. E. '36, and Carl E. McKee, Jr., Ag. E. '36, took place February 14 in the parlors of the First Methodist church, Emporia, at 4:30 p. m. Mrs. McKee is a member of Clovia sorority and Omicron Nu, honorary home economics society. She was home demonstration agent in Rawlins county for four and one-half years. For the past few months she has been a member of the state extension home economics staff. Mr. McKee is employed by the state AAA committee as field representative. They live at 1031 Moro, Manhattan.

GRENTNER—MAKINS

Mary Jean Grentner, I. J. '41, and Lt. Al E. Makins, I. J. '40, were married Tuesday, February 17, at the St. Mary Chapel at Ft. Riley. Chaplain John B. Day officiated. Mrs. Makins is a member of Theta Sigma Phi, honorary journalism fraternity. While in K. S. C., she was a member of the board of publications of the College and society editor of the school paper. For the past year, she has been employed in the publicity department of the Kansas AAA office at Manhattan.

Lt. Makins is a member of Sigma Delta Chi, men's honorary journalism fraternity, and of Blue Key, senior men's honorary group. He was class president and editor of the annual in his senior year and received honorable mention in Who's Who Among Students in American Colleges and Universities. He has recently been transferred to Camp Forrest, Tenn., where they will live.

DEATHS

RAMSEY

Ralph P. Ramsey, Ag. '16, died March 2. He was district conservator of the U. S. D. A. and head of the district camp at Osage City, Kan. He had been in agricultural conservation work since 1934 at Mankato, Ottawa, and Osage City. He is survived by his wife and two children, his parents, and a brother. He was a Methodist, a Mason, and a member of the American Legion.

MOORE

Emma (Betz) Moore, f. s. '88, died Sunday, March 1, after a year of failing health. When she became a student at Kansas State College—at the age of 16—Mrs. Moore was the youngest and one of the first women students to enrol in the school. In later years, Mrs. Moore managed the Stein camp at Bean lake, owned by her son-in-law, Fred W. Stein. She was in charge of the camp about 15 years. Her talents included writing. For six years she was a special writer for the Atchison Daily Globe. Surviving are a daughter, a son, one sister, and a grandson.

RECENT HAPPENINGS ON THE HILL

Richard Gray, former Kansas State College student, appears in two pictures in the March 9 number of Life Magazine. The section, "Speaking of Pictures," in which he appears, features the "pretty girl" publicity photography of Florida in this issue.

Returning to see Shirley Kilmer, Kirwin, and John St. John, Wichita, crowned the royal couple of the 1942 Engineers' St. Pat's Prom were Mr. and Mrs. K. U. Benjamin of Salina, who were presented as St. Pat and St. Patricia in 1933.

Kansas State College professors may give oral quizzes and cut long written assignments to help conserve paper, according to the Kansas State Collegian. Since cellulose in paper is valuable in the manufacture of high explosives, a scarcity of the former is predicted.

The jonquils in front of Calvin hall convinced students spring was here when they appeared above ground last week. By Monday noon, however, students had lost faith in the prediction and had donned boots and galoshes again. The morning rain changed to snow before fourth-hour classes were done.

The Williston Geology club plans to carry out "The Geology of Asia and Its Relationship to the War" as the theme of the spring programs. Joseph Chelickowsky, instructor in the Department of Geology, opened the series at a seminar last week. Newly elected officers of the club are Claude Matthews, Great Bend, president; Edwin Pincomb, Overland Park, vice-president; and Warren Hicks, Moline, secretary-treasurer.

A feud between a Kansas State Collegian columnist and a group of other students culminated last week in the "abduction" of the columnist, Milt Dean Hill, Kansas City. Hill related that Lawrence Spear, Mission, and Donald Moss, Miltonvale—president and corresponding secretary, respectively, of the Student Governing association—together with some 40 other students "abducted" him early Saturday morning and left him to walk home from a point several miles out in the country. Spear and Moss described their action as a "prank" and said they had been irritated by remarks the columnist had written about Engineers' Open House.

BIRTHS

Martin Mayrath, Com. '32, and Edith (Dobson) Mayrath, I. J. '33, have a daughter, Shirley Jean, born February 21, in Dodge City, Kan. Their address is Route 1, Dodge City.

Stella (Heywood) Swartz, H. E. '27, M. S. '30, and Keith Swartz sent a card bearing a poem about the birth of their son, David Heywood Swartz, March 3, 1942. They live at 3306 W. 65th Street, Chicago.

Lillian (Witter) Epley, H. E. '33, and Wilmot Epley have announced the birth of their third son, Donald Ray, January 30. His brothers are David, 5, and Roger, 3. The family lives at 231 East Washington, Kingman, Kan. Mr. Epley is postoffice clerk in the Kingman postoffice.

William Douglas is the name chosen for the son of William D. Helm, E. E. '41, and Helen (Warren) Helm, who was born January 30. The Helms are now at 45 Edgewood Avenue, S. E., Atlanta, Ga. Last year Mr. Helm was with the Century Electric company at St. Louis, Mo., and is now with the same company at Atlanta.

William E. Connell, M. S. '29, and Ruby (Stover) Connell, G. S. '32, announce the adoption of a baby girl, for whom they have chosen the name, Carol Lynne. She was born January 30 and the adoption took place February 14. Mr. Connell was formerly instructor in animal husbandry at Kansas State College and is now district manager of the Soil Conservation Service, Dodge City, Kan. They live at 501 Bond Circle.

FIVE NEW FARM CROP VARIETIES TO EXPERIMENT STATION ROSTER

NEWCOMERS PASS MANY TESTS BY SPECIALISTS

Association to Certify Comanche Wheat, Balbo Rye, Dunfield Soybeans, Illinois-200 and K. I. H.-38 Corn Hybrids

Five new varieties of farm crops have been added to the list of approved varieties of the Kansas Agricultural Experiment station, R. I. Throckmorton, agronomist at the station, has announced.

With their approval by the experiment station, the Kansas Crop Improvement association has added the newly approved varieties to its list of those accepted for certification. The varieties adopted are Comanche wheat, Balbo rye, Dunfield soybeans, Illinois-200 and K. I. H.-38 corn hybrids.

Before being listed as "approved," a variety must "run the gantlet" of tests by agronomists, entomologists, and plant pathologists to prove its superiority over other varieties, Throckmorton explained. In the case of wheat, milling and baking tests are also conducted on new varieties.

COMANCHE YIELD HIGH

Comanche, the new hard winter wheat variety added to the approved list, is a selection from a hybrid of Oro and Tenmarq varieties. It was developed at the Manhattan station and combines the excellent milling and baking characteristics of Tenmarq and the bunt resistance of Oro, a variety similar to Turkey. High yield, good test weight, earliness of maturity, stiff straw, resistance to leaf rust and some tolerance to stem rust are other desirable qualities of the new variety, according to L. P. Reitz, plant breeder at the station.

Tests of Comanche have been made in Nebraska, Kansas, Oklahoma and Texas; and the new variety appears to do best in the territory from central Kansas to northern Texas. Seed increase plots have been established in Kansas, Oklahoma and Texas, but seed in commercial quantities probably will not be available until the fall of 1943, Throckmorton said. In tests conducted over Kansas during the past several years, Comanche has averaged 27.5 bushels an acre, as compared to 25.5 for Tenmarq. In test weight, Comanche has exceeded Tenmarq by 1.1 pounds per bushel.

Illinois-200 and K. I. H.-38, both yellow corn hybrids, have been added to the approved list and are eligible for certification by the Kansas Crop Improvement association, A. L. Clapp, secretary of the association, said. Both hybrids are recommended for production in the eastern part of Kansas only, Clapp said, adding that "during the past two years these hybrids stood up as well on the average as the better open-pollinated varieties, produced at least one-fifth more corn and had the combined advantage of lodging resistance and grain yield of not less than 35 per cent," according to tests conducted by R. W. Jegenheimer, corn breeding specialist at Manhattan.

GOOD FOR COMBINING

Dunfield soybeans was added to the approved list, Throckmorton said, "because of early maturity, non-shattering, resistance to lodging and the high oil content." The variety has been established in Indiana for a number of years, he said, and is recommended as an early maturing

FRAZIER SAYS HOARY CRESS SPREADING FAST IN KANSAS

Plant Pathologist Warns Weed Has Become One of Most Noxious in State

Farmers' worries are increased by the discovery of the noxious weed, hoary cress, also known as "perennial pepper-grass" or "whiteweed," Dr. J. C. Frazier of the Department of Botany and Plant Pathology, Kansas State College, said today. "The weed is of recent introduction into the state and is spreading fast," he disclosed.

Hoary cress is one of the three most noxious weeds of Kansas, bindweed and Russian knapweed being the other two. This weed now occupies as large an area as did bindweed in 1900, said Doctor Frazier, and because of its effect on crop yields, it is considered even worse than bindweed. All infestations should be reported to the county weed supervisor.

LT. ARTHUR FARRELL'S "PERSONAL HEROISM" EARNS RECOMMENDATION FOR MEDAL AWARD

Lt. Arthur A. Farrell, former Kansas State College student in business administration, now stationed with the 35th Infantry in the Hawaiian islands, has been recommended for the Soldier Medal award for heroic action.

Col. H. J. Morrissey, commander of the 35th Infantry, made the recommendation to the army adjutant general on the heroism Farrell showed in his attempt to help rescue two United States Marine Corps pilots off the west coast of Oahu January 5.

The Colonel's recommendation follows, in part:

"Lieutenant Farrell was a member of a party engaged in a reconnaissance of machine gun positions on the west coast of Oahu about 1,000 yards northwest of Barbers Point. As the party proceeded along the coast, a number of U. S. Marine Corps airplanes were observed a short distance off shore engaged in a type of aerial maneuvers generally referred to as 'dog fighting.' Suddenly one of the planes in a vertical bank lost altitude, crashed into the sea about 200 yards off shore and sank almost immediately.

"Without hesitation and with total disregard for his own safety, Lieu-

tenant Farrell stripped himself of all his clothing except his shoes (as a precaution against cutting his feet on the sharp coral) and started to swim toward the plane to assist Lieutenants Charles B. Smith and Carey H. Berry in the rescue of its two occupants. In his hurry to enter the water, Lieutenant Farrell slipped and fell on the coral and injured himself painfully about the knees and thighs. He immediately recovered from his fall and continued to swim to the plane. Upon arriving near the scene of the crash, Lieutenant Farrell made a survey of the situation and concluded he could be of no assistance to Lieutenants Smith and Berry. Being severely handicapped by the weight of the heavy field shoes and the injuries he sustained in his fall on the coral, he swam back to shore.

"The personal heroism displayed by Lieutenant Farrell on this occasion is believed to merit the award of a Soldier's Medal."

Farrell, whose home was in Manhattan, attended Kansas State College four years but took a job with the TWA before he finished the required work for graduation. He was a member of the Phi Kappa fraternity.

combine type for bean production.

"Dunfield beans probably will not make as high a grain or hay yield as A. K. or Hongkong," J. W. Zahmley, associate professor of agronomy, points out, "but for those who want a variety that can be combined without the loss of too many beans, the variety should be satisfactory."

NOT SO WINTER HARDY

Balbo, the new variety of rye added to the approved list, has been grown in Kansas for the past few years as a pasture crop. "There is not as much experimental data available as we would like to have on this crop," Kling L. Anderson, pasture specialist, stated. "But observation indicates that it is more desirable for pasture than is common rye." Balbo rye is liked for pasture because it can be grazed earlier in the spring, has a more upright growth and is more resistant to Hessian fly than common rye.

"Balbo cannot be depended upon to make a greater total forage yield," Anderson cautions, "and is not quite as winter hardy as the common variety." Palatability tests conducted by the Department of Dairy Husbandry have shown that dairy cattle prefer Balbo to common when given a choice.

K-STATE STUDENTS FOURTH IN STOCK JUDGING CONTEST

Team Competes with 15 Others at Southwest Livestock Exposition

Competing with 15 other teams, the Kansas State College livestock judging team placed fourth in inter-collegiate contests conducted at the Southwest Livestock Exposition at Fort Worth, Texas, over the weekend.

Jack Cornwell, St. John, was fourth high individual of 80 participating in all classes; and Edwin Kline, Mentor, was high individual in cattle judging.

The K-State team took second place in cattle judging and fifth in hog judging.

Members of the team were Philip George, Lebo; Paul Kelley, Solomon; John Weir, Glenda, and Kline and Cornwell. Prof. F. W. Bell, coach, accompanied the men.

Elect Margaret Bayless

Margaret Bayless, junior in home economics from Wakarusa, is the president of YWCA for the coming year succeeding Mary Griswold, senior in home economics from Manhattan.

Other officers elected are Patricia Townley, Abilene, vice-president; Peggy McClymonds, Lincoln, Neb., secretary; and Edith Hanna, Manhattan, treasurer. All three officers were previous members.

To Emporia A. A. U. W.

Dr. Martha S. Pittman, head of the Department of Food Economics and Nutrition, talked on applied nutrition as it is related to national defense at a meeting of the Association of American University Women in Emporia Saturday.

FACULTY MEMBERS WILL PARTICIPATE IN STATE HOME ECONOMICS MEETINGS

Dr. Ruth Lindquist, Program Chairman, Emphasizes New Developments Rising out of War

Home economics students will be having special assignments and unfamiliar instructors the last of this week, for many of the faculty members will attend conventions of the Kansas Home Economics association and the Kansas Dietetic association in Topeka.

Dietetic students are hunting transportation for the all-day meeting of the Dietetic association Friday to hear Miss Mary I. Barber, nutritionist for the war department and former president of the American Dietetic association. Mrs. Bessie Brooks West, head of the Department of Institutional Management, is president-elect of the state organization.

The three-day program, Thursday night, Friday and Saturday, of the Kansas Home Economics association, has been arranged by Dr. Ruth Lindquist, head of the College Department of Household Economics. Using as her theme, "Developing Socially Useful Citizens," Doctor Lindquist is emphasizing the relationship of home economics to defense housing, nutrition, priorities, new responsibilities in home and community life and new demands on time.

Dean Margaret M. Justin, of the Division of Home Economics, is councillor for the state association. Kansas State College faculty women who are chairmen of standing committees of the organization are Miss LaVelle Wood, associate professor of institutional management; Miss Georgiana Smurthwaite, state home demonstration leader; Mrs. Lucile Rust, professor of home economics education; Miss Alpha Latzke, head of the Department of Clothing and Textiles; Doctor Lindquist, and Miss Nina Browning, of the Department of Foods and Nutrition.

The bell in the tower of Anderson hall was donated to the College in 1864 by Joseph Ingalls, Swampscott, Mass.

Senior Women To Compete

An essay contest for women of the class of 1942 has been announced by Miss Ada Rice, professor in the Department of English. The subject of the essay is "The History and Function of the American Association of University Women." First prize for the contest, which is sponsored by the Manhattan chapter of the A. A. U. W., will be \$10, Miss Rice said. The essay must be from 1,000 to 1,500 words in length.

FARRELL WARNS AGAINST SACRIFICING FUTURE TO SATISFY PRESENT DESIRES

President, Other Faculty Members Speak to Youths Here for Annual Rural Life Conference

Kansas rural young people attending the annual Rural Life conference Thursday, Friday and Saturday were advised by President F. D. Farrell Saturday morning to resist the "temptation to sacrifice the future for the present."

"Individually and collectively," he said, "we frequently are faced with the necessity to choose between something that seems to be desirable immediately and something else that seems to be desirable in the long run; two things that often are mutually exclusive: if we choose one, we must do without the other.

"As civilization becomes increasingly complex," President Farrell continued, "the choice more and more often is between liberty, on the one hand, and security or convenience or comfort, on the other. You young men and young women probably will be faced with this choice more often than your parents were. Just now the whole world is engaged in a struggle about liberty, a struggle that affects us all."

Saturday afternoon officers for the next year were elected. New president is Orville Wesseler, Rice county; vice-president, Clarence Schagel, Johnson county; second vice-president, Wilma Davis, Crawford; secretary, Helen Stagg, Collegiate 4-H club of Riley county.

Other speakers heard at the conference were Dr. O. W. Warmingham, member of the staff of the American Youth Foundation, who spoke at the opening dinner Thursday evening; Mrs. M. H. Coe, a state 4-H club leader; Miss W. Pearl Martin, home health and sanitation specialist; C. R. Jaccard, agricultural economics extension specialist; Dr. C. V. Williams, professor in the Department of Education; Dr. A. B. Cardwell, head of the Department of Physics; Miss Gladys Myers, home management specialist; Dean H. Umberger, director of the Division of Extension; and Dr. Howard T. Hill, head of the Department of Public Speaking.

Thomas Benton, Olathe, Collegiate 4-H member, presided at the dinner meeting Friday night. Marcile Norby, Cullison, presided at the Saturday morning session of the conference.

Campus Election Soon

The date of the annual spring election on the campus will be April 15, according to an announcement by the Student Governing Association in charge of the voting. Officers will be elected for Student Council and the Board of Student Publications. This year for the first time, students will vote by divisions in accordance with a law passed by the student body last fall. Independent students are making plans now for their primary campaign preceding the election.

30 ATHLETES AWARDED LETTERS AS WINTER SPORT SEASON ENDS

GIVE SWEATERS IN BASKETBALL, SWIMMING, WRESTLING

College Athletics Board Names Ten Men in Each Competitive Field; Honorary Cage Captain Will Be Chosen Later

The College athletics board last week announced the names of 30 members of winter varsity squads who had earned letters in their respective sports. Ten members from each of the basketball, wrestling and swimming teams earned sweaters this season.

The lettermen are:

Basketball: Larry Beaumont, El Dorado; John Bortka, Kansas City; Mario Dirks, Moundridge; Jack Horacek, Topeka; Danny Howe, Stockdale; Bruce Holman, Powhattan; Fred Kohl, Kansas City, Mo.; George Mendenhall, Belleville; Kenney Messner, Arkansas City; and John St. John, Wichita.

Wrestling: Al Brecheisen, Rolla; Paul Chronister, Abilene; Perry Emmons, Manhattan; Jerry Porter, Dellvale; Ray Rokey, Sabetha; Melvin Stiefel, Gypsum; Jim Vavroch, Oberlin; Leo Wempe, Frankfort; Vervle Snyder, Mayetta; and Robert Dunlap, Liberal.

Swimming: Tom Ellis, Topeka; John Garrett, Cartersville, Mo.; Harold Kalousek, Kansas City; James Leker, Manhattan; Burt MacKirdy, Manhattan; Harold Novak, Ottawa; Peter Ruckman, Topeka; Ridge Scott, Kansas City; Olin Triplett, Humboldt; and Leo Yeo, Manhattan.

The honorary captain for the past basketball season will be chosen later in the spring. Captains for next season's swimming and wrestling teams will be chosen before the end of school.

ENGINEER WARNS AGAINST PURCHASE OF WORTHLESS BLACKOUT EQUIPMENT

R. E. Madigan Says Blue Lights, Dark-Colored Candles, Special Paint Are Valueless

A warning against the purchase of "blackout fads" was voiced before students and faculty members last week by R. E. Madigan, Westinghouse lighting engineer and member of the Missouri State Council for Defense.

Madigan, speaker at the annual Engineers' Open House assembly, discussed blackout and protection lighting and showed equipment designed to meet such requirements.

The speaker urged his hearers not to be stampeded into buying "phony" or unnecessary blackout equipment. Among the things he listed as "totally without value" were blue lights, the widely-advertised "blackout candles," blackout paint, certain types of automobile headlight shades and blackout curtains.

A blue light is five times as visible from the sky as a properly shaded white light, Madigan emphasized. Dark-colored candles still give off an orange flame. Any dark paint is as good as, or better than, high-priced blackout covering. Dark shades are all that is needed on windows.

"Many people have the idea that roof tops should be painted black, to mislead enemy aircraft," he concluded. "The fallacy in this notion is the belief that all colors except white appear dark at night."

SUB-COMMITTEES WILL HELP PLAN ACTIVITIES FOR UNION

Will Seek Cross Section of Student, Faculty, Alumni Opinion on Program

Twenty-seven students have been appointed by the College Student Union Committee as members of sub-committees who will help plan the activities the student union building will provide when completed.

In formulating the program of activities, the sub-committees under Faye Clapp, Manhattan, general chairman, will try to get a cross section of student, faculty and alumni opinion on the program.

Chairmen of the sub-committees are Joe Jagger, Minneapolis, management; Wendell Bell, Silver Lake, office space; Robert Handel, Napa, Calif., social and recreational; Margery Lawrence, Topeka, cultural; Patricia Townley, Abilene, food service; Robert Myers, Junction City, general service; Keith G. Jones, Penalsosa, faculty and alumni; Margaret Wunsch, Topeka, questionnaire and publicity.

EVERYDAY ECONOMICS

By W. E. GRIMES

"It is to be hoped that the industrial pattern of the future will be spared over larger areas and not be concentrated in relatively small areas."

Improvements in transportation are making it possible to spread industrial plants over a larger area. Parts can be moved quickly and at fairly low cost from one point to another. This makes it less necessary that interdependent plants be immediately adjacent. Advantage can be taken of spreading a family of related industries over a general region which has good transportation facilities.

The advantages of this are many. It avoids overcrowding of population with all of the disadvantages of congestion. It permits the workers in

these industries to live more comfortable lives with more space in which to enjoy themselves. It distributes the use of supplies of natural resources such as water and permits the more economical and efficient use of these resources.

It is to be hoped that the industrial pattern of the future will be spread over larger areas and not be concentrated in relatively small areas. The reasons for concentration are much less important at present than they were when many of our existing industries were founded several decades ago.

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FACULTY MEMBERS ON PROGRAM OF KANSAS ACADEMY OF SCIENCE

**DR. F. C. GATES IS PRESIDENT OF
ORGANIZATION**

**Sageser, Lewis, Herrick Will Preside at
Meetings Thursday-Friday at Hays;
25 Others from College
Will Participate**

Twenty-two faculty members and students of Kansas State College will appear on the program of the annual meeting of the Kansas Academy of Science at Fort Hays Kansas State college March 26-28. They will present 18 papers concerning developments of science in related fields.

Dr. F. C. Gates, professor of botany and plant pathology at Kansas State and president of the Academy, will preside at business meetings and present the presidential address, "Succession," Friday evening at 8 o'clock.

Dr. A. Bower Sageser, professor of history and government, will preside at meetings of the American Association of University Professors; C. F. Lewis, associate professor of mathematics, will be in the chair at all sessions of the Kansas section of the Mathematical Association of America which will be conducted jointly with the Kansas Association of Teachers of Mathematics; and Dr. E. H. Herrick, professor of zoology, will preside at meetings of the zoology section.

TO PRESENT BOTANY NOTES

Prof. C. M. Correll of the Department of History and Government will discuss the College Advisory Council of Kansas State College at the Saturday meeting of the American Association of University Professors.

A paper titled "Kansas Botanical Notes, 1941" will be presented by Doctor Gates at the botany meetings on Friday. Dr. H. J. Peppel, instructor in bacteriology, will discuss papers on "A Study of Equine Sporotrichosis," and "The Heat Resistance of Streptococcus Thermophilus Grown in Association with Caseolytic Bacteria."

Louis P. Reitz, associate professor of agronomy, will give a paper on "Indications of Hail Resistance among Varieties of Winter Wheat." With H. C. Traulsen, graduate assistant in agronomy, he will present a discussion of the "Effect of Harvest Date and Heredity upon the Dormant Period in Varieties of Winter Wheat."

Donald R. Cornelius and Newell C. Melcher of the Soil Conservation nursery will give a paper on "Estimating the Yield of Blue Grama Grass Seed." Illustrating with lantern slides, Dr. John C. Frazier, assistant professor of botany and plant pathology, will speak on "The Root System of Hoary Cress, *Lepidium draba* L." "The Relation of Depth of Planting to the Morphology of the Wheat Seedling" is the title of a paper to be presented by William A. Lunsford, graduate assistant in botany and plant pathology.

WILL SHOW STROBOSCOPE

At the geology meetings Friday morning Miss Evelyn Seeberger, senior in general science from Hanover, will present a paper prepared by Miss Seeberger and Dr. Frank Byrne, associate professor of geology.

(Continued on last page)

Brumback To Du Pont

Oscar Brumback, senior in chemical engineering from El Dorado, has accepted a position with the explosives department of E. I. du Pont de Nemours and Company, Inc., Wilmington, Del. Brumback will begin his work following graduation this spring.

Ensemble Will Give 'Aida'

Work has begun on the opera "Aida" by Verdi which will be presented by the College choral ensemble in concert form about the middle of May. Prof. William Lindquist of the Department of Music will direct the opera. Approximately 125 people will take part.

Heads Science Academy



FRANK C. GATES

KANSAS STATE ALUMNUS APPOINTED HEAD OF WAR RELOCATION AUTHORITY

**Milton Eisenhower Has Been Federal
Land Use Coordinator, Associate
Director of Extension, U. S. D. A.**

Milton S. Eisenhower, I. J. '24, has been appointed director of the War Relocation authority, newly created federal agency charged with the relocation of Japanese who are being evacuated from Pacific coast military areas.

The authority will work out a plan by which the evacuees will be settled in four or five temporary, self-sustaining colonies, and the agency will be responsible for the general management of these colonies.

Eisenhower has been federal land use coordinator since 1937. He recently added to his duties in the U. S. Department of Agriculture those of associate director of extension work. He has served the agriculture department for almost 16 years.

Discussing the policy of the War Relocation authority this week, Eisenhower emphasized three points:

"(1) That the settlement is purely temporary and the land (part of the area taken from the Colorado River Indian reservation at Parker, Ariz.) will revert to the Indians at the end of the war;

"(2) That the relocation will be handled to provide the maximum useful work contributing to the war effort, and

"(3) That the project will be designed to provide humane and constructive living and working conditions for the colonists."

ENTOMOLOGY DEPARTMENT MEMBERS TO CONFERENCE

**Parker, Bryson, Wilbur, Smith, Fritz
Also to Plant Board Meeting**

Five members of the Department of Entomology are attending the National Plant board meeting and the Central States Conference of Entomologists at the University of Illinois this week. The board meeting was Tuesday and Wednesday and the conference is Thursday and Friday.

Those attending are Prof. R. L. Parker; H. R. Bryson, assistant professor; D. A. Wilbur, associate professor; Prof. R. C. Smith; and Roy Fritz, experiment station specialist. The conference will consist mainly of roundtable discussion dealing with entomology in wartime.

Following the conference, Doctor Smith will attend a meeting of the junior academy conference committee of the American Association for the Advancement of Science in Indianapolis Saturday.

Schepmoes To Washington

Douglas F. Schepmoes, junior U. S. D. A. agricultural economist who formerly was stationed in the offices of the Department of Economics and Sociology at the College, is temporarily in Washington, D. C. He will soon be sent to do special work for the Bureau of Agricultural Economics in Kentucky and Virginia.

ENTOMOLOGIST PREDICTS HARDER STRUGGLE AGAINST CHINCH BUGS

**R. H. PAINTER REPORTS INSECTS
MORE NUMEROUS THIS YEAR**

**Recommends Substitution of Soybeans,
Flax and Sweet Clover for Corn,
Sorghums and Small Grains
as Control Measure**

The chinch bug and the eastern Kansas farmer may be battling each other harder than ever this summer, according to Dr. R. H. Painter, entomologist at Kansas State College.

An increase in the number of chinch bugs over last year is indicated by observations made during the fall and winter. The rather mild winter did the bugs no harm. "In fact, they seem healthier than ever," Doctor Painter said.

SHOULD SELECT CROPS

Warmer weather will find the chinch bug starting to move about. "If any farmer is in doubt about the presence of chinch bugs now," Doctor Painter said, "just let him go out alongside a field where corn or sorghum was planted last year, and dig up a clump of grass. By shaking the grass over a cardboard or white sheet, he can often find altogether too many chinch bugs. They may be so thick you can smell them," he observed.

One weather condition that might kill the bugs now would be a heavy sleet storm. Method of control of the bugs this summer lies in the careful selection of grain crops that are to be planted this spring.

If a farmer wants to insure himself from the least possible damage from chinch bugs, he should plant the minimum possible number of acres of corn and sorghums next to the small grains. The planting of as few acres as possible of corn, sorghums, and small grains, this spring, and substituting in their place soybeans, flax or sweet clover will reduce the possible damage to a minimum.

BURNING OF GRASS NO HELP

If sorghums must be planted to fit into the rotation plan, Kansas Orange and Atlas are preferred to the milo varieties, because they are less susceptible to chinch bug infestation, Doctor Painter explained. Spring barley should not be considered in eastern Kansas this year, because chinch bugs seemingly prefer it to almost any other grain crop.

Farmers whose rotations will not fit any of the above mentioned crops, should prepare to get barrels and creosote oil so that tar-line barriers can be made at the correct time. Burning the grass around the fields will do no good this late in the season, Doctor Painter said, and anyone who is planning to plow under volunteer small grains should do so immediately, before the bugs move into the field. Otherwise, the chinch bugs that have flown in will just sit around and wait for the newly planted crop to show above the ground.

U. S. ARMY ADVANCES FOUR ALUMNI TO RANK OF CAPTAIN

**George Hart, Max Besler, Burt English
and Ralph Pratt Are Promoted**

Four Kansas State College graduates serving with the U. S. Army or the reserves have been advanced recently from the rank of first lieutenant to that of captain, according to word received here.

The new captains are George Hart, '37; Max Besler, '37; Burt English, '40; and Ralph Pratt, '33. Captains Hart and Besler are in the Bureau of Public Relations, War Department, Washington, D. C. Captain English is with the veterinary corps at Ft. Brown, Brownsville, Texas.

Announcement of the promotion of Lieutenant Pratt to the rank of captain came from the Quartermaster school, Camp Lee, Va., where Captain Pratt is a regimental staff officer. Captain Pratt was on active duty at Ft. MacArthur, San Pedro, Calif., before he entered the Quartermaster school.

Play Music By Lamont

Music composed by the late Harry Lamont, a former Kansas State College faculty member, was featured on the faculty recital Sunday afternoon presented by Prof. Max Martin and Prof. Edwin Sayre of the Department of Music. Mr. Lamont had studied at the Eastman School of Composition and was on the faculty at Wichita university at the time of his death last year.

PILOT TRAINING PROGRAM AT COLLEGE WILL BE ARMY-NAVY FEEDER SERVICE

**Commerce Department Notifies Prof. C.
E. Pearce Wartime Conversion
May Be Expected Soon**

The Civilian Pilot Training program at Kansas State College soon may be converted into a training service for Army and Navy pilots, according to a communication received recently by Prof. C. E. Pearce, head of the K-State CPT course.

The letter from the United States Department of Commerce received by Professor Pearce stated that soon CAA civilian pilot courses would be converted into "feeder services for the armed air forces."

Under such a ruling, priority training rights at Kansas State would be given to those applicants who can meet the requirements for entrance into the Army or Navy air forces, and who already are members of the enlisted air corps reserves. After those who are able to become air pilots have been enrolled, preference would be given those men who are unable to qualify for fighting service but able to obtain a CAA flight instructor's rating, Professor Pearce said.

If facilities still are available at the Manhattan municipal airport, a new course will be added to train technicians for entrance into air corps technical schools. Applicants for this course also must be members of the Air Corps section of the enlisted reserve.

Pearce emphasized that since no instructions have yet been received from the Commerce department, he could not say definitely whether all applicants for Civilian Pilot training would be required to join the air corps reserves. "The import of the letter I received is that priority will be given to those who are in the reserve," he stated. "Whether that must include all applicants is still in doubt."

Nineteen primary and ten secondary students now are enrolled in the College CPT course. So far as is known, none is in the air corps reserve.

EUGENE WASSERMAN GETS LEAVE FOR DEFENSE WORK

**President Also Announces Two Appoint-
ments and One Resignation**

Two appointments, one resignation and one leave of absence are included in the faculty changes at Kansas State College issued this week from the office of President F. D. Farrell.

Eugene Wasserman, assistant professor in the Department of Architecture, has been granted leave of absence for the period March 1, 1942, to May 31, 1942. Wasserman will be engaged in special work with the War Department.

Donald Edgar, graduate assistant in the Department of Chemistry, resigned effective February 28.

Appointments include that of William E. Bergmann as temporary instructor in the Department of Architecture during the absence of Wasserman, and H. A. Biskie as instructor in agricultural economics in the Division of Extension.

Record Hour Popular

Several students who want to be on "humming terms" with great music masters and their compositions are attending the Record Hour program under the direction of Miss Marion Pelton of the Department of Music. The program is offered each Wednesday in the College auditorium between 4 and 5 o'clock.

AVA JOHNSON WILL SPEAK HERE AT HOSPITALITY DAYS ASSEMBLY

**NUTRITION SPECIALIST TO OPEN
HOME ECONOMICS EVENT**

**Kansas High School Girls Will Model
Clothes They Have Made and Will
Compete for Honors in
Judging Contests**

Miss Ava Johnson, of Des Moines, Iowa, who introduced home economics training into the schools of Bulgaria, will be the guest speaker at the special assembly during Hospitality Days, the annual open house of the Division of Home Economics, April 10 and 11.

A nutritionist and home economist who has traveled extensively throughout Europe and Asia, Miss Johnson is now lecturing in the United States. She will speak at the assembly here April 10 at 2 p. m.

HIGH SCHOOL GIRLS TO MODEL

Announcement of the speaker by Marguerette Schlotzhauer, program chairman, was the highlight of the general committee meeting in Calvin hall Monday afternoon to make final preparations for the event which presents the work in home economics to the public and to high school girls of the state.

Participating in the assembly by modeling clothes which they have made, the high school girls will take a more prominent part in activities than in previous years. In addition, they will vie for both school and individual honors in knowledge and judging contests and will attend a special luncheon Saturday.

"United for Service," the theme of the program, will show active participation of home economists in the national victory effort. "Action" will be the by-word of the exhibits, which will be arranged by all departments in both Calvin and Anderson halls. They will be open to the public Friday afternoon and evening and Saturday until 4 p. m. The nursery school is planning to entertain the guests. Classes will demonstrate actual procedures.

MARCILE NORBY CHAIRMAN

In charge of the Hospitality Days arrangements are: Marcile Norby, Cullison, general chairman; Mary Cawood, Wetmore, sub-chairman; Emma Lou Thomas, Hartford, budget chairman; Beth Stockwell, Manhattan, contests; Rachael Wagaman, Emporia, decorations; Drusilla Norby, Pratt, banquet and luncheon; Marguerette Schlotzhauer, Bucyrus, general program; Loma Robley, Independence, banquet program; Kittie Marie Woodman, Independence, high school assembly; Edith Dawley, Manhattan, College assembly; Lorraine Sawyer, Kensington, luncheon program.

Margaret Bayless, Topeka, and Louise Schlicher, Hoxie, are chairmen of publicity, with Dorothy Krause, Hays, newspaper publicity.

Margaret Hill, Topeka, is radio chairman; Jean Alford, Kansas City, Mo., exhibits; Helen Stagg, Manhattan, registration; Edith Hanna, Manhattan, tea; Carol Stevenson, Oberlin, Hospitality Hop; Helen Pierpoint, Benedict, hostess; Ina Palmer, Sabetha, badges; Clara Jo Fair, Topeka, tours and guides; and Virginia Wolfe, Gardner, signs and posters.

Discusses "Victory Garden"

The "Victory Garden" campaign in Kansas was explained by Prof. W. G. Amstein of the Division of Extension when he talked to members of the Hort club Monday night. Professor Amstein told of the campaign throughout the state to encourage home growing of garden crops.

Scarabs Elect Lupfer

Dave Lupfer of Larned will head the organization of Scarab, senior men's political group, next year. Lupfer was named president in a recent election. Other officers are Bill Packard of Manhattan, vice-president; and Rex Burden, Chase, secretary-treasurer.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY, Editor
CHARLES M. PLATT, JANE ROCKWELL, PAUL L. DITTEMORE, ALBERT HOLLINGS, Associate Editors
KENNEY FORD, Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

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WEDNESDAY, MARCH 25, 1942

CONFIDENCE WELL FOUNDED

Within the space of a few days the daily press has carried the news of the naming of Glen E. Edgerton, M. E. '04, to be a major general, and of the choice of Milton S. Eisenhower, I. J. '24, to head the War Relocation Authority.

These news accounts direct attention to outstanding services being performed by Kansas State College graduates as part of the war effort.

Governor of the Panama Canal Zone since July, 1940, Major General Edgerton has one of the army's most important assignments, its importance particularly emphasized in a world war in which swift communication from one ocean to another is vital in the real sense of that much-abused word.

The extraordinary executive talents of Mr. Eisenhower, already federal land use coordinator and associate director of extension, were recognized by his being given the task of relocating the thousands of persons, aliens and in some instances citizens, who must be moved out of restricted areas. It is a difficult, important and in many of its aspects an unpleasant assignment. Thousands of families must be moved from their lifelong homes. Most are innocent of any wrongdoing but must be moved because of the danger arising from the few who may not be loyal to this country. Residents of the areas into which they are moved will in many instances, from understandable motives, view the migrants with suspicion and alarm, yet every consideration of justice demands that they be treated as well as is possible under the circumstances. We must not surrender to totalitarian race theories or adopt cruel and oppressive practices while fighting a war against them.

These two important assignments are typical of a great many others given College people, in the war effort. The fact that they are difficult is a testimonial to the confidence of those responsible for selection of personnel. The College—its students, alumni, faculty, friends—knows that this confidence is well founded.

BOOKS

Education in the Countryside

"The Country School." By Iman Elsie Schatzmann. The University of Chicago Press, Chicago, 1942. \$1.50.

Under the sponsorship of The Farm Foundation and The American Country Life association, Miss Schatzmann has brought together in this attractive volume a body of helpful and interesting information about the rural schools of seven countries. A native of Switzerland and a product of Swiss schools, she has made extensive studies of rural education in Europe and America. Her wide knowledge of the subject and her sympathetic devotion to it have enabled her to produce an admirable book.

The seven countries described are referred to as democratic Switzerland, cooperative Denmark, aristocratic Sweden, cultured Ireland, conservative England, corporate Italy and paradoxical United States. The rural schools of each country are described simply and with sympathetic understanding. Something of the history of rural education in each country is given, as is also the relationship of the rural schools to the cultural atmosphere of each country.

In the descriptions of rural edu-

cation in most of the European countries mentioned, the high social standing of teachers is emphasized. This high standing is accompanied by great public respect, heavy civic responsibility and comparatively high financial remuneration. In these countries, the rural school teacher is a carefully selected, well-trained, well paid professional to whom teaching is a life work. More often than not he is one of the leading citizens of the community. In these respects the rural schools of the United States suffer by comparison with those of most of the European countries mentioned.

Emphasis on cultural and historical backgrounds in their relation to rural education is a notable feature of the book. "The Swiss people," for example, "believe in simplicity and economy. . . . They are forever reaching out for higher standards of economy and industrial efficiency. . . . and of whatever they earn they invariably save something. . . . The children are taught self-pride and economy and are soon encouraged to take care of their own needs." And in the "village colleges" of Cambridgeshire, England, "Instruction in the correct use of English is combined with music and the staging of plays. . . . groups of boys are taught to play on shepherd's pipes which they have made themselves." These procedures are related to the Englishman's love of correct speech, of the drama and of music and to his tradition of self-reliance.

The book is the reverse of the all-too-common treatise on rural education with its plethora of statistics and its dreary details. It is as much a description of the peoples concerned as of their country schools. This fact facilitates the understanding of the schools, for, as a French philosopher said, "Society demands that the school be in its own image." Seemingly to recognize this fact, Miss Schatzmann has written a book that is interesting and inspiring as well as informative.—F. D. Farrell.

DRAMA

Manhattan Theatre

"Double Door," a study in crime, proved to be a popular production of the Manhattan Theatre Friday and Saturday nights at the College auditorium.

The drama, at once a murder-to-come mystery and a study in psychopathic character, gets away to a rather slow start, largely due to too many female servants in the Van Bret home, an old-timer residence in New York City. But interest steadily rises and the illusion of life-as-was in the 1900's gradually grows more realistic until an almost rigid tenseness arrives during Act II, Scene 2, and all of Act III.

The success of the Manhattan Theatre's production, as directed by Prof. Walter Roach, was largely due to a carefully played-for increase in interest and the excellent acting of Miss Betty Jean Sharp, who did the difficult role of Victoria, old-maid head of the house of Van Bret, with a professional thoroughness. She cast the spell of her selfish, disarranged impulses on the audience as well as upon players coached to respond to them.

Barbara Bouck, as Caroline, Victoria's completely cowed sister, Helen Weeks as Anne, young wife of Rip, Victoria's nephew and in-and-out heir, and Alfred Huttig, as young Rip, did highly successful work. Emil Karl, who had the role of Doctor Sully, a common-sense outsider who understood Victoria and her possibilities, did nice work in restoring the situation to normal keel now and then. The ensemble acting of Anne, Rip and Doctor Sully in Act II, where opportunities for situation-disasters were as numerous as minutes, showed fine coaching and fine execution.

The confusion of an antique-cluttered second-floor living-room set, bundles of presents for a wedding yet to be revealed, too many scared-to-death female servants, and a failure of the loud speaker support to take off (Friday night) gave "Double Door" a somewhat shaky getaway. But Miss Sharp's excellent acting and the gradual, if a bit slow, unfolding of the situation soon had the audience well in hand. Frequently in the latter half of the play, audience sympathy was so high as to result in shouted advice to disaster-threatened characters. Once or twice "You'll be sorry" was well nigh chorused by the gallery gods.

—H. W. D.

SCIENCE TODAY

By PAUL L. DITTEMORE

Instructor, Department of Industrial Journalism and Printing

Bin-burning of wheat having a high moisture content can be retarded by the use of ethylene gas in the storage bins, research workers of the U. S. Department of Agriculture and the Department of Milling Industry at Kansas State College have found. The gas, at a concentration of approximately one part in 10 thousand of air in the bin, was blown into the bin while the damp wheat was being stored.

Ethylene gas, which is inexpensive, comes in steel cylinders similar to those used for soda fountain gas. The addition of the gas to the air in the bin does not offer serious practical difficulties when the bins are reasonably tight. Estimates are that the cost, unless very small quantities are treated, would be a small fraction of a cent per bushel of wheat treated.

The ethylene gas used in the tests caused the wheat temperature to remain below 103 degrees for several days, while untreated wheat from the same field and stored at the same time reached 110 degrees and was damaged considerably. Ethylene gas is now widely used in the ripening of citrus fruit and bananas and for loosening walnut hulls—all a result of discoveries by the Bureau of Agricultural Chemistry and Engineering. The ethylene gas treatment, Dr.

A. K. Balls and Dr. W. S. Hale of the Bureau of Agricultural Chemistry and Engineering point out, is not a "cure-all" treatment that would permit the farmer to harvest his wheat regardless of its stage of maturity. "The treatment," they explained, "will reduce the rate of heating and will permit the farmer or grain handler to store high-moisture wheat for approximately two weeks, until it can be dried down to a safe moisture content." In wet harvesting seasons wheat frequently spoils before it can be run through a drier.

Wheat that was allowed to mature fully in the field before harvesting was also included in the ethylene storage research project. The investigators found that the gas apparently hastened the aging process through which wheat must go after harvesting before it will make flour of satisfactory baking quality.

Samples of the treated and untreated mature wheats were withdrawn from the storage bins periodically and milled throughout the storage test. The milling work was in charge of Dr. E. G. Bayfield, head of the Department of Milling Industry of the College. Significant differences in loaf volumes were observed in favor of the ethylene-treated wheat. Apparent improvement in the texture and color of the bread also was noted.

Similar tests are now under way on corn.

MEN AND MACHINES

We cannot build our future unless we understand the present. The World War today is not a battle between two tribes or groups of countries in the sense that we have always thought of war. This conflict has its roots in the struggle of men to live in a new world created by their machines.—R. M. Evans, AAA Administrator, United States Department of Agriculture.

IN OLDER DAYS

TEN YEARS AGO

Mildred Bobb, '27, was located in Delhi, India, as assistant to Catherine Justin, '12, in charge of the Methodist School for Girls.

Dr. H. F. Lienhardt of the Division of Veterinary Medicine discussed the topic "Milk and Its Relation to Human Health" at a joint meeting of the Rotary and Kiwanis clubs at Concordia.

Mrs. Bessie Brooks West, head of the Department of Institutional Economics, and Miss Iva Welch, director of the College Cafeteria, attended the Nebraska State Home Economics association meeting in Lincoln.

TWENTY YEARS AGO

A. E. McClymonds, '15, was superintendent of the United States experiment station at Aberdeen, Idaho.

Lois Witham, '16, was transferred from Hua Nang college, Foochow, China, to Lek Du at Mintsing, Fukien, China, to get experience in rural missionary work.

D. W. Working, '88, dean of the College of Agriculture of the University of Arizona, delivered an address on the "Relation of Research to Agriculture" at the annual meeting of the southwestern division of the American Association for the Advancement of Science.

THIRTY YEARS AGO

Dr. S. W. Williston, '72, was professor of paleontology at the University of Chicago.

Frank LaShelle, '99, was editor and publisher of the Hanover Democrat-Enterprise, Washington county.

Prof. L. H. Beall, N. A. Crawford and Raymond Taylor went to Jewell City to judge a debate between the high schools of that place and Junction City for the championship of two congressional districts.

FORTY YEARS AGO

G. C. Wheeler, '95, was herdsman of the Department of Dairy Husbandry.

Prof. Mark A. Carleton, '87, wheat expert of the United States Department of Agriculture, during his visit to the Paris exposition had conferred upon him a scientific decoration by the French government.

Ex-Secretary W. H. Phipps, '95,

traveling representative of the Blue Valley Creamery company, attended the state dairy association meeting in Manhattan and exhibited some of the machinery which his firm handled.

FIFTY YEARS AGO

H. B. Gilstrap and G. V. Johnson, both of the class of '91, were partners in a printing business at Chandler, Okla.

The ornithological section occupied the program of the Scientific club at its weekly meeting. Papers were read by Secretary Graham and by Professor Lantz.

F. M. Linscott, '91, after a term in the Toronto Veterinary college, was visiting home and college friends for a few days prior to entering a summer's practice with a veterinary surgeon at St. Joseph, Mo.

SIXTY YEARS AGO

President Fairchild went to Topeka to attend a meeting of the State Board of Education.

The Webster society met at the usual time with President Ward in the chair. The question, "Resolved, That the character of Queen Elizabeth is to be admired," was discussed by F. A. Hutto and Warren Knaus on the affirmative, and J. C. McElroy and C. L. Marlatt on the negative. The decision was in favor of the affirmative.

KANSAS POETRY

Robert Conover, Editor

DARK JOURNEY

By Mary E. Linton

Darkness had claimed the earth—no stars appeared,
Distance had muffled now the city's sigh—
Only the wind's low wailing in the night,
Only a lonesome owl's despairing cry.

Here was escape—the road led ever on,
On through the darkness . . . on until . . . until . . .
That was the question! Roads could not go on,
Roads were to follow . . . not to lead men's will.

There would be light again . . . Yes, that was it!
Light, and the way would open up ahead,
There would be roads the night could never show,
There would be one to which this dark trail led.

Always the sun returned . . . the night would pass,
Faith was the one sure thing—a gleaming light!
Only the long wait now, still walking on,
Only the wind's low wailing in the night.

Mary E. Linton of Kansas City, Mo., has been writing for the past 12 years and to date has written more than 350 poems, nearly half of them having been published in 30 different magazines and newspapers and some used on radio programs. Her husband is Edgar Linton, who is also a writer.

SUNFLOWERS

By H. W. Davis

NEVER AGAIN

Never again will I fill in as a male makeshift in a woman's foursome at bridge. Once I did it sort of experimentally. A second time I tried because I did not believe anything could be as bad as I had found my first experience to be. Now I know it can be worse. I'm finished!

But to say I thoroughly regret my two trips out on the limb would be false. I learned a good deal. What I learned will of course never be of any great benefit to me—or to anyone else. (If you learn everything about bridge, you will not know a lot.) But learning is learning, I guess, and one should never regret any accretion to his stock of knowledge.

I found out that one of the keenest delights of the game is the discussion, after Isabel has been set three on a two-no-trump bid, of how much Dorothea could have made in clubs and how many tricks Josephine would have gone down if she had got the bid at two spades, the king of hearts being where it was. Such debates can run far into the night if you needle them a bit every half-hour or so. They are broadening and educative, the girls say, and one can learn "just lots about bridge" from them—if one listens.

I also discovered that women who have read books about contract bridge remember and interpret Mr. Culbertson in twice as many ways as there are women who play bridge, which is aplenty. For instance, my three torturers held six different notions as to the count (whatever a "count" is) for an original three-bid in a minor suit. And they expected me to keep all those six ideas in mind and invariably select the one best suited to the stage of the game, the lateness of the hour, and the color scheme Annette is using in her new kitchen. Since I do not even know Annette, and have certainly never been in her kitchen, this was difficult for me.

I found out finally that women bridge players are much more sympathetic than they sound. Once, after an hour or so of comparative quiet—one of those dull periods in which nobody draws a hand worth waking the neighbors about—I got one so full of aces and picture cards my Adam's apple jumped clear out in front of my necktie. Cautiously I worked up to a slam. Then my partner, realizing I had never read a book on bridge, that I surely did not know the count, and that I would be terribly embarrassed and crestfallen after it was all over, sacrificially took me out with a slam in another suit and went down only four. "Greater love hath no woman," you know. She humiliated herself right there between her sister experts just to keep ignominy away from my door.

That one act of kindness, I think, finished my career as an obliging filler-in in female foursomes. From now on I shall be both tough and absent whenever I suspect one of the four has to stay home with the children, as they all sometimes should.

FARM WEALTH

The condition of Agriculture has improved in the last year as a result of the defense spending and need for food abroad. Increased salaries, wages, and profits have given the housewife more money for the market basket. Our total farm income will pass 11 billion dollars in 1941, and should exceed 13 billion dollars in 1942. This increase will enable Agriculture to pay pressing debts and restore farm finances. The picture of rural wealth shows a steady rise from 1910 to 1920. Since then, the farmer has been living off of his accumulated resources. The census reveals the tragic fact that the total net farm wealth in 1910 was over 37 billion dollars, and in 1941, it was only 34 billion. In other words, the farmer has been feeding and clothing this Republic for 30 years, and has 3 billion dollars less in his resources than he had in the beginning.—Louis J. Tabor in an address given at the annual session of the National Grange at Worcester, Mass.

Action to strengthen the quality of our government need never await until we achieve the perfect method.—Thomas E. Dewey in Reader's Digest.

AMONG THE ALUMNI

Minnie L. Copeland, B. S. '98, wrote recently that she had not received some of her copies of THE INDUSTRIALIST and "missed it very much." Miss Copeland, a registered nurse since 1902, now lives at 41 Clark Road, Brookline, Miss.

Lathrop W. Fielding, E. E. '05, and Crete (Spencer) Fielding, D. S. '05, recently sent in a change of address from Whittier, Calif., to 3648 Thirty-First Street, San Diego, Calif. Mr. Fielding is connected with the Imperial Haygrowers association.

Almira (Kerr) Gilbreath, D. S. '08, responds to a tracer inquiring about her address and occupation "Everything for me is the same, only a little older." She has a farm in Apache, Okla.

Leon M. Davis, Ag. '09, called at the Alumni Office March 7, when making a trip through Manhattan. The card he left says that he is with the market news service, U. S. Department of Agriculture, Washington, D. C. He and Hazel (Bixby) Davis, D. S. '10, live at 6309 Maple Avenue, Chevy Chase, Md.

A clipping about Maj. James West, B. S. '12, from the Sunday Oregonian, Portland, Ore., pictured him as commander, chosen to head the Portland post of the American Legion. Major West is deputy city attorney in Portland, having received his LL. B. in 1916 from Oregon university. He and Jessie (Young) West live at 1934 N. E. 48th Avenue, Portland.

James Walter Johansen, B. S. '14, and Lena (Hastings) Johansen, '14 graduate of Fort Hays college, operate a cattle ranch at Round Hill, Va. They were formerly at the State College Station, Raleigh, N. C., where Mr. Johansen was extension economist.

Emma (Evans) Rothfelder, H. E. '15, and E. J. Rothfelder live in Axtell, Kan. They own and operate a cafe in Axtell.

Henry D. Linscott, E. E. '16, has recently been promoted from the position of lieutenant colonel to colonel. Colonel and Stella (Rich) Linscott, H. E. '18, live at 30 Glendale Avenue, Alexandria, Va. Linscott, who is colonel in the Marine Corps, Washington, D. C., also has his LL. B. from George Washington university, 1933.

Fred H. Carp, Ag. '18, lieutenant-colonel in the U. S. Army reserve, was called into active service March 4. Carp was a cadet colonel while in College. He and Mary (McClallen) Carp, formerly living at Wichita, are now addressed at the Chemical Warfare School, Edgewood Arsenal, Maryland.

Marie Ellen Haynes, H. E. '20, is a member of The Haynes Hardware company, 618-620-622 Commercial Street, Emporia, Kan. The firm sells hardware, implements, kitchenware and paint. She lives at 627 Market, Emporia.

Myra E. Scott, G. S. '21, is assistant professor of English at Kansas State College. Miss Scott lives at 1116 Thurston, Manhattan.

Charles A. Thresher, B. S. '22, and Josephine (Tredway) Thresher, f. s. '22, have four children. They live at 1112 Rural Street, Emporia, Kan. Mr. Thresher is assistant county agent in the soil conservation service at Emporia. He formerly was with the S. C. S. at Burlington and Wellington.

H. H. Halbower, G. S. '23, M. S. '29, and Dorothy (Frost) Halbower, f. s. '23, have two children—Jane, 13, and Harry, 10. Their home is at 707 North Jennings, Anthony, Kan. Mr. Halbower writes on stationery of the First National bank at Anthony, of which he is president. He is also president of the Lions club and of the school board.

Karl M. Wilson, I. J. '24, M. S. '29, of Coffeyville has been promoted to the position of Dean of the Coffeyville Junior college. He was formerly assistant to the dean who has resigned to assume superintendency of Topeka schools. Mrs. Wilson is the former Alice Fisher, I. J. '25, daughter of Dr. and Mrs. D. H. Fisher of Manhattan. The Wilsons live at 311 West Tenth, Coffeyville.

Charles E. Long, R. C. '25, has a general insurance agency in Hutchinson, Kan. He was formerly with

the Long-Coffin agency there. He and Constance (Kinkel) Long and their son, Charles E., Jr., 13, live at 1201 North Main, Hutchinson.

Fred D. Strickler, Ag. '25, farms 540 acres on Route 3, Hutchinson, Kansas, and is a dairyman interested in registered Ayrshires. He and Dixie (Pallister) Strickler have four children—Bobby, 3, Shirley, 10, Crystal, 12, and Lovell, 14. Mr. Strickler was awarded a master farmer degree in 1940, was Reno county AAA chairman in 1941, and now is president of the Ark Valley Co-op creamery.

Christian E. Rugh, Jr., E. E. '26, is engineer with the aeronautics and marine engineering department of General Electric company, Schenectady, N. Y. He and Fern Lois (Straw) Rugh, f. s. '25, live at 49 Sacandaga Road, Scotia, N. Y. He says that he has recently developed an airport light which is for use by the Army and the Navy.

David A. Yerkes, Arch. '26, sent a card from the Canal Zone, where he is now located. His address there is Box 143, Balboa Heights, Panama Canal Zone.

George M. Wiedeman, Chem. E. '27, is at East Grown Terrace, Morrisville, Pa. His present position is chemist with the Rohm and Haas company, development department, Bristol, Pa.

Harold V. Rathbun, E. E. '27, now has charge of a branch office for the Copperweld Steel company, of Pittsburgh, Pa., in Kansas City. This entailed his being in Pennsylvania for some time to work with the company. He and Minnie Belle (Stanton) Rathbun, H. E. '28, live at 5904 Blue Hills Road, Kansas City, Mo.

Donald K. Nelson, E. E. '28, and Marjorie (Schmidler) Nelson, I. J. '38, are at 1369 Hudson Avenue, Chicago, Ill. Mr. Nelson is field engineer for the Commonwealth Edison company, Chicago.

Edwin R. Barrett, Chem. E. '28, is district sales manager of the A. O. Smith corporation of Milwaukee, Wis. Mr. Barrett and Hazel (Lawrence) Barrett are at 3403 W. Laurelhurst Drive, Seattle, Wash.

W. B. Bigelow, C. E. '28, and Clara (Gray) Bigelow, G. S. '26, M. S. '27, are at 1506 Otis Street, N. E., Washington, D. C. They have one daughter, Jean Anne, 9. Mr. Bigelow is regular construction engineer with the Rural Electrification administration—in charge of line construction in Minnesota, South Dakota, and North Dakota.

Capt. Theodore Varney, G. S. '29, of the Quartermaster Corps has been transferred from Ft. Riley to Ft. Sill, Okla. Mrs. Varney, Helene Hahn, G. S. '32, is remaining in Manhattan for the present.

Meredith (Dwelly) Burke, I. J. '29, is homemaker in Kingman, Kan. Her husband, Paul B. Burke, '31 graduate of Emporia, is owner of the Gamble store in Kingman. They have been there eight months and live at 246 Avenue G East.

Thomas J. Dawe, f. s. '30, is manager of the Goodyear service, 223 North Washington Street, Wellington, Kan. He has a daughter Patricia Jo, 2.

Ruth McCammon, H. E. '30, M. S. '32, is regional nutritionist with the Federal Security Agency with her office at Kansas City. She writes that she is only on leave from her Colorado job as extension worker with the state college, and will play her part in defense activities in this way as regional nutritionist working in Kansas, Missouri, Oklahoma, and Arkansas.

Theodore A. Appl, E. E. '31, writes that he and Gladys (Meyers) Appl are being transferred to Knoxville, Tenn. Their address will be 100 Belvedere Avenue. Mr. Appl is with the Tennessee Valley Authority as electrical engineer. They were formerly located at Chattanooga, Tenn.

Opal (Birt) Stull, H. E. '31, and Charles W. Stull, E. E. '33, are at 4021 Walnut, Kansas City, Mo. Mr. Stull is with the R. C. A. Radio Corporation of America in the district corporation. They formerly lived in Beloit, where Mr. Stull was manager and owner of the Home Appliance company.

Tillie (Rife) Jones, H. E. '32, and Earl Jones have a daughter Mary Eleanor, just four months old. The family lives at 219 North Franklin, Anthony, Kan. Mr. Jones buys hides and wool.

Orville A. Noell, E. E. '33, and

Harriet (Wood) Noell are at 1337 Tamarac Street, Denver, Colo. Their children are Nelson, 3, and Janet, 2. Mr. Noell is junior engineer with the Bureau of Reclamation, United States Department of Agriculture.

Edith (Brown) Foster, H. E. '33, is active in 4-H and community work in Anthony. Her husband, Kenneth B. Foster, owns a laundry and dry cleaning business in Anthony. They live at 604 Bluff. Mrs. Foster has a sister, Esther Brown, who is a senior in home economics at Kansas State.

Maurice L. "Duke" DuMars, I. J. '33, has been appointed radio extension specialist for the United States Department of Agriculture, Washington, D. C. DuMars was radio extension editor here from February, 1935, to August, 1936, when he resigned to accept a position with the U. S. D. A. While here, DuMars had charge of the College radio station, KSAC, turned out radio script for 12 or 14 commercial stations in Kansas, and handled some routine news releases for county agents and Kansas weekly newspapers.

Vaughn Combs, Ag. '34, sends change of address for himself and his wife, Hazel (Selling) Combs, from Amarillo, Texas, to 119 South 15th Street, Lincoln, Neb. He writes, "I have been transferred to the regional office of the Farm Security Administration here in charge of the security servicing section and arrived yesterday (February 23). I hope to be in Manhattan sometime in the near future to renew old acquaintances."

Harold "Doc" Weller, P. E. '34, and Mary (Chronister) Weller, f. s., have three sons—Richard Dale, 9, Tommy, 5, and Jack, 4. The Wellers live at 314 West Second Street, Eureka, Kan., where Mr. Weller is coach and teaches citizenship and agriculture in the high school.

Victor Hopeman, Ag. E. '35, is foreman of the proving grounds of the Caterpillar Tractor company, East Peoria, Ill. He and Phyllis (Miller) Hopeman have been in Peoria for four years. They have a one-year-old son, John Frederick. Their address is Route 5, Peoria.

Rose Skradski, H. E. '35, writes that she has been transferred from the Good Samaritan hospital, Lexington, Ky., to 602 South Laurence, Montgomery, Ala. At present she is employed at Maxwell field as dietitian.

Lt. Don A. McNeal, I. J. '36, Lucile (Johntz) McNeal, P. E. '36, and their two children are at 2603 17th Avenue, Columbus, Ga. Lieutenant McNeal is an instructor at Ft. Benning, Ga.

Dorothy (Washington) Twiehaus, H. E. '36, and son, Johnny, have just gone to San Antonio, Texas, where they are joining Capt. Marvin Twiehaus, D. V. M. '36, who has been stationed at Ft. Sam Houston for some time.

Ralph Hollis, Arch. E. '37, and Virginia (Ostlund) Hollis, have a 5-month-old son, Ralph L., Jr. They have lived at 224 West Fourteenth, Hutchinson, Kan., for 10 months, where Mr. Hollis is draftsman with Mann and company.

Charlotte Norlin, G. S. '38, writes that she is doing graduate work in the department of sociology at Kansas university. Her address is 300 West 14th Street, Lawrence.

Archie C. Todd, M. S. '38, is instructor in the zoology department, University of Nebraska, Lincoln.

J. Leroy Young, Ag. '38, is secretary treasurer of the Kingman County National Farm Loan association. He and Harriett (Corbin) Young live at 108 B West, Kingman, Kan. They were formerly in Wichita, where Mr. Young was employed in the Federal Land bank.

Lois Anita Reed, H. E. '39, is home service director for the Oklahoma Natural Gas company, with her residence at 407 West 9th, Okmulgee, Okla.

Fern Bair, Bus. Adm. '40, writes that she has been working since September 8 in the visa division of the State Department (civil service) in Washington, D. C. She is living in Apt. 202, 2407 Fifteenth Street, N. W., Washington, D. C.

Kathryn Blevins, G. S. '41, is the first woman physicist to be chosen by Eastman Kodak company for work in its sensitometry department. This department is one of two testing laboratories. One tests the physical defects in film. Miss Blevins will test

the effect of light upon the exposure and development of the film. She has been a laboratory assistant in physics and photography since the second semester of her junior year. Her address in Rochester, N. Y., is 1710 Lake Avenue, Apt. 3.

Gladys Boone, H. E. '42, was appointed, effective March 1, as home demonstration agent in Webster County, Missouri, with headquarters at Marshfield. Miss Boone writes enthusiastically about her new position, and states she has found a large number of Kansas girls on the home demonstration agent list in Missouri. She mentions Clela Null, Dorothy Bacon, and Pauline Umberger as Kansas State graduates in Missouri, all of whom are doing very nicely in their positions.

MARRIAGES

MONROE—SKINNER

Mildred Monroe and Tom F. Skinner, Jr., M. E. '36, were married June 28, 1941, in the First Baptist church, West Winfield, N. Y. Their address is 1639 Ridge Avenue, Evanston, Ill. Mr. Skinner has a position as sales engineer with General Electric company, Chicago, Ill.

BELL—BEACH

Hazel Bell and Roy Beach, Chem. E. '37, were married Tuesday, March 3, in the Trinity Methodist church of Hutchinson. The Rev. Nelson Gardner performed the rites. They left for Baltimore, Md., where Lieutenant Beach will be stationed in the army. He is a member of Beta Theta Pi fraternity and Scabbard and Blade honorary.

MEYER—MORAN

Virginia Meyer, H. E. '40, and Lt. Robert F. Moran were married October 19, 1941. Mrs. Moran has been working as file clerk with the Army Constructing Quartermaster on a defense project at Quarry Heights in the Canal Zone. Lieutenant Moran has been stationed in the Panama zone also. They will be located after April at 447 Burr Road, San Antonio, Texas.

NELSON—WHITE

Jennie Joy Nelson, H. E. '35, was married to David R. White of Rosemary, Alberta, Canada, February 24, at the home of the bride's parents in Holton, Kan. The Rev. Karl Kuglin, missionary on furlough from Nigeria, Africa, performed the ceremony. After a short visit, the couple left by car for their home in Rosemary, Alberta, where they will operate a ranch. Mrs. White before her marriage was home management supervisor with the Farm Security Administration in Forsyth, Mont.

DEATHS

BROWN

Dr. Roy E. Brown, M. S. '14, died at Colorado Springs, Colo., November 16, 1941. Surviving is his widow, Beulah (Chamberlain) Brown, Linden Avenue, Broadmoore, Colorado Springs.

PHILLIPS

Mary Martha Phillips, Bus. Adm. '40, died June 18, 1941, as a result of infection. She had been employed in the office of the principal at the Manhattan high school. She is survived by her parents, Kenneth Phillips, '12, and Ramona (Norton) Phillips, '13, Route 4, Manhattan, two sisters and four brothers.

AUER

William Gerald Auer, C. E. '39, died at his home in Wichita, Wednesday, February 25. His death followed a three day illness. Auer was a member of Phi Delta Theta fraternity while in college. He is survived by his wife, a six-month-old child and a sister, Mrs. L. L. Compton, of Manhattan. He was employed by the Texas company in Wichita.

HONSKA

William B. Honska, C. E. '11, Prof. in Engrg. '22, civil engineer and bridge contractor who built some of the first roads in the Philippines, died March 16 at his home in Salina. Mr. Honska went to the Philippine Islands soon after graduation to spend nine or ten years in engineering work. For the past several years he had been a contractor in Kansas and some of the neighboring states. He is survived by his widow, Zella (Bosson) Honska, 137 Overhill Road, Salina.

RECENT HAPPENINGS ON THE HILL

In Dallas, Texas, training to be an air stewardess is Miss Shirley Karns, '41. Miss Karns resigned her teaching position in the Oakley high school in order to take her training. On completion of her studies, she will be assigned a regular run on the Braniff Transcontinental airlines.

Sophomore women were guests of Prix, junior women's honorary organization, at a tea Sunday afternoon at Van Zile hall. The tea was designed to help members of Prix get acquainted with the sophomore women from whom they will select Prix members for next year.

A campaign to raise money to send students in countries at war is being planned for this spring. Miss Betty Jean Lee, traveling secretary for the World Student Service fund, visited the College campus last week to help make the plans for the campaign. The money raised will be used in helping to maintain educational institutions in countries at war.

Enjoying dancing and motion pictures Friday evening in Recreation Center were the 60 members of the College band and their guests. William Fitch, instructor in the Department of Music and director of the band, showed moving pictures of the Kansas State College band taken during halves at the football games.

Election of next year's officers of the College YMCA is set for March 30. Ballots on which nominations may be made for the offices have been sent to YM members by the nominating committee. Members of this committee are Dr. H. T. Hill, head of the Department of Public Speaking, chairman; Gordon West, Manhattan; George Yost, Vassar; Oscar Norby, Pratt; and Robert Stevens, Randolph.

Among the collections recently moved into the fire-proof vault in the basement of Fairchild hall is the valuable Knaus collection of beetles, formerly kept in the President's vault. Warren Knaus, '85, former publisher of a newspaper in McPherson, had a hobby of collecting beetles which he exchanged for specimens from other parts of the world. When Mr. Knaus died a few years ago, the collection, which is now one of the most valuable in the country, was given to the College with the request that it be kept in a fire-proof vault.

BIRTHS

Joseph W. Menzie, Com. '32, and Ann (Morrissey) Menzie, Kansas City, Mo., have a daughter, Kathleen, born February 7, at Kansas City. Mr. Menzie has his LL. B. from the University of Michigan, 1935.

Albert K. Bader, Arch. E. '34, and Dorothy (Horton) Bader, have a daughter, Christine, born March 7. The Baders have two other daughters, Kerin, 5, and Jacqueline, 3. They live at 1314 Holland, Great Bend, Kan. Mr. Bader is engineer with the Phillips Petroleum company.

Lt. Marion B. Noland, Ag. '35, and Mary Catherine (Ryan) Noland, H. E. '35, are parents of a son, Larry Nelson, born February 22, at St. Johns hospital in Joplin, Mo. Lieutenant Noland is in service at Camp Crowder, Mo. They live at 3005 Pearl Street, Joplin, Mo. Mr. Noland was formerly county agricultural agent in Riley county.

Francis W. Boyd, Jr., I. J. '34, M. S. '39, and Mary (Dexter) Boyd, H. E. '34, are parents of a daughter, Elizabeth Folwell, born Sunday, March 8, at Stormont hospital in Topeka. They live at Mankato, Kan., where Mr. Boyd is owner and editor of the Western Advocate. He was formerly principal of the high school there and taught earlier at Logan, Kan.

Roy Selby, Ag. E. '32, and Alice Arvilla (SINGLEY) Selby, H. E. '36, announce the birth of a son March 5. They have named him Larry LeRoy. They live at 1219 Lawrence, Emporia, Kan., where Mr. Selby is in the soil conservation service. He has been in this work since graduation, and they have been stationed at Iola, Wellington and Ottawa before going to Emporia.

PHYSIOLOGIST CALLS FOR CLEAR REASONING IN WAR EMERGENCY

DR. A. J. CARLSON AN ASSEMBLY SPEAKER THURSDAY

"Should Tighten Our Intellectual Belts . . . Not Do Anything Foolish," Says University of Chicago Professor Emeritus

The advent of war has made rational thought more important and at the same time more difficult, Dr. Anton J. Carlson, professor emeritus at the University of Chicago, told students and faculty members last week.

Speaking at a student assembly in the College auditorium Thursday morning, the widely-known physiologist discussed thought processes as opposed to emotion in education and everyday life and prescribed two precautions for present-day America.

"WASTE TOO MUCH TIME"

"We should avoid doing anything foolish," he said, advising that careful consideration be given all proposals during the emergency, "and we should tighten our intellectual belts."

Concerning the latter measure, Doctor Carlson expressed the opinion that most persons "waste too much time. Longer hours are not necessary," he said, "just old hours better spent."

The Chicago physiologist applied this point to education and decried the demands of many educators that students be rushed through high school and college in less than eight years. "We must be careful," he warned, "not to graduate students with two degrees—an A. B. degree and a T. B. degree—at the same time."

BLAMES TEACHERS, STUDENTS

Doctor Carlson described as "the two frailest flowers in the evolution of man" the "scientific method" and the "sense of justice."

Failure of schools successfully to teach the scientific method he ascribed not to the educational system itself, but to the teachers and the students. Many scientists and teachers themselves do not use the scientific method, "and if they do not," he said, "how can we expect the man on the street to use it?"

Man has developed the sense of justice and the scientific method, Doctor Carlson told his assembly audience, through centuries of striving for rational thought, but the danger always remains that they may be obliterated for a time by emotion. This threat, he pointed out, is particularly strong during wartime.

Doctor Carlson also spoke to the Science club last Wednesday night in Willard hall, to the College chapter of the American Association of University Professors Thursday noon in the Cafeteria, and to University of Chicago alumni at a dinner last Wednesday evening in the Cafeteria. He attended a zoology seminar Thursday afternoon.

ROLAND ELLIOTT WILL TALK TO CAMPUS FORUM GROUPS

Is Secretary of National Council Student Christian Association

Student forum groups on the campus will hear Roland Elliott, executive secretary of the National Council Student Christian association, Thursday.

Mr. Elliott, who returned only last month from Europe, will discuss various phases of European life and the work of Christian organizations. "Europe—the Dark Continent" will be his subject for open forum and he will speak on "A Skeptic's View of Europe" earlier in the day.

One of the last to be issued an American passport through Germany before war was declared, his journey via clipper was undertaken in response to cabled invitation from people who are working for student relief in countries dominated by Germany.

Helander Reads Paper

Prof. Linn Helander, head of the Department of Mechanical Engineering, presented a paper at the spring meeting of the American Society of Mechanical Engineers in Houston, Texas, March 23, 24. Professor Helander collaborated with Emory Kemler, assistant professor of mechanical engineering at Purdue university in the preparation of the treatise entitled, "Methods of Calculating the Correct Size of Economizers and Air Preheaters."

EVERYDAY ECONOMICS

By W. E. GRIMES

"Rationing is a procedure designed to regulate consumption when supplies are insufficient and prices are controlled."

Under normal conditions price serves as a regulator of production. A low price indicates that the quantity produced is greater than the market will absorb at what may be considered a reasonable or fair price. A high price indicates that the quantity produced is less than is required to satisfy the existing demand at a fair or reasonable price. The low price discourages production and the high price encourages it.

When prices do not change in con-

formity to the quantity reaching the market, other means must be used to regulate production and to determine who will obtain the available supplies if they are limited. Rationing is a procedure designed to regulate consumption when supplies are insufficient and prices are controlled. It becomes necessary when price, as a regulator of supplies offered for sale, is prevented from performing its usual function.

REGISTRAR'S OFFICIAL TALLY SHOWS 3,159 REGISTERED FOR SPRING TERM

Figure Represents Drop of 13.5 Per Cent Since Tabulation Last Year; War Effort Takes Men

A total of 3,159 students are enrolled this semester at Kansas State College, it was announced today by Miss Jessie McDowell Machir, registrar. Miss Machir reported the enrollment as of the customary official tabulation date of March 15.

The figure represents a 13.5 per cent decrease since the spring semester enrollment of 3,653 was announced last March 15. The official registration was 610 less than that of last fall, but since enrollment normally is lower during the spring term this figure was seen as having less significance.

According to Miss Machir's report, men students on the campus outnumber women by less than 2 to 1, whereas in former semesters—including the fall term—the ratio was greater than 2 to 1. The men now number 2,072, the women, 1,087. The relative drop in the number of men was attributed largely to the selective service program, to which the College has contributed many men, and to the national defense effort in general.

The greatest relative decrease since tabulation a year ago was in the Division of Graduate Study, in which the current enrollment of 123 represented a drop of slightly less than 42 per cent.

The Division of Agriculture, with an official enrollment of 492, sustained a decrease of 25.9 per cent; the Division of General Science, with an enrollment of 875, a decrease of slightly less than 18 per cent; the Division of Home Economics, with an enrollment of 738, a drop of 9.6 per cent; the Division of Engineering and Architecture, with an enrollment of 866, a decrease of 7.6 per cent, and the Division of Veterinary Medicine, with an enrollment of 210, a decrease of 6.7 per cent.

Miss Machir's report shows that the rolls include 957 freshmen, 658 men and 299 women; 760 sophomores, 503 men and 257 women; 702 juniors, 422 men and 280 women; 628 seniors, 409 men and 219 women; 11 special students, and 123 graduate students.

There are five women enrolled in engineering and architecture, two in veterinary medicine and one in agriculture. There are, however, no men in home economics.

Plan New First Aid Class

Students who have completed the "home care of sick" unit in the family health course may enter a first aid class to be formed soon to complete work for a Red Cross certificate in first aid. Miss Jennie Williams, associate professor in the Department of Child Welfare and Euthenics, announced last week that girls interested in obtaining a Red Cross certificate and one-half college credit in first aid are asked to send copies of their class schedules to her. If enough students respond, she said, two classes will be planned. Several classes in first aid are being given this semester by the Department of Physical Education.

Martha Roots Honored

Miss Martha Roots, former Kansas State College student in home economics and nursing, has been selected for membership in Sigma Theta Tau, national honorary society for nurses. Miss Roots completed her nurses training at the Bell Memorial hospital at Kansas City last week.

FACULTY MEMBERS ON PROGRAM OF KANSAS ACADEMY OF SCIENCE

(Continued from page one)

on "Crinoidal Material from the Kansas Permian."

At the physics meetings Friday, Dr. J. S. Allen, associate professor of physics, will present a paper titled "Experimental Evidence for the New Neutrino," with lantern slide illustration. A "Demonstration of a Chromatic Stroboscope" will be given by E. K. Chapin, associate professor of physics.

Dr. J. C. Peterson, professor of education will give papers on the topics, "Securing Both Time-Limit and Work-Limit Scores on Tests of Mental Ability" and "Requirements for Master's Degrees in Eighty-One Prominent American Colleges," at the psychology meetings Friday.

For the zoology meetings Dolf Jennings, instructor in zoology, will talk on the topic, "Kansas Fish in the Kansas State College Museum at Manhattan." A paper titled "Seasonal Activity in Squirrel Testes" will be presented by Dr. E. H. Herick, professor of zoology. "The Influence of Certain Genetic Factors upon Eye Color in the Guinea Pig" is the title of a paper which will be given by Dr. Mary T. Harman, professor of zoology, and Annette Alsop Case, graduate of Kansas State College. Dr. Roger C. Smith, professor of entomology, will give the "Eleventh Annual Insect Population Survey of Kansas—1941."

ENTOMOLOGISTS TO LINCOLN

Since the Weather-Crops Seminar annual meeting was in Lawrence in December, no programs will be given during these meetings. President F. D. Farrell is chairman and Dr. H. H. Laude, professor of agronomy, secretary of this division.

For the Kansas Entomological society meetings in Lincoln, Neb., April 4, Harry R. Bryson, assistant professor of entomology, will give a paper on "Hibernation Studies on the 12-spotted Cucumber Beetle, Diabrotica 12-Punctata." Also to be given at the same meetings is a paper, "The Pin Oak, a New Host of the Giant Hickory or Sycamore Aphid," by Dr. R. L. Parker, professor of entomology.

R. B. Schwitzgebel, United States Department of Agriculture agent with the Bureau of Entomology at Hutchinson, and D. A. Wilbur, associate professor of entomology, will present two papers, "Lepidoptera, Hemiptera and Homoptera Associated with Ironweed, Vernonia interior Small, in Kansas," and "Diptera associated with Ironweed, Vernonia interior Small, in Kansas." A paper on the topic "The Southwestern Corn Borer in Kansas in 1941" will be given by Dr. R. H. Painter, professor of entomology.

OTHER STAFF MEMBERS SERVE

Kansas State College faculty members, other than Doctor Gates, who are Academy officers or members of boards or standing committees are the following:

Doctor Frazier, Academy secretary and chairman of the membership and program committees; Dr. L. D. Bushnell, member of the executive council and the committee on necrology; Doctor Byrne, member of the standing committee on conservation and ecology and the committee on natural history handbooks; Dr. A. B. Cardwell, member of the editorial board and the research committee; Prof. R. W. Conover, member of the committee on coordination of scientific groups and new sections; Professor Wilbur and Prof. R. J. Barnett, members of the committee on natural history handbooks.

Dr. Margaret Newcomb of the Department of Botany and Plant Pa-

thology, member of the committee on educational trends and science teaching; Dr. J. T. Willard, member of the committee on state aid and publication funds; Prof. G. A. Dean and Doctor Smith, members of the nominating committee, and Doctor Harman, chairman of the resolutions committee.

INTERSOCIETY COUNCIL SPEECHFEST TO CONCERN STUDENTS IN WARTIME

Eight Representatives of Campus Literary Groups Will Speak Extemporaneously March 27

Eight representatives of the four College literary societies will compete in the annual Intersociety Council speech contest scheduled for March 27 in Recreation Center.

The general theme for the contest as indicated by Norman C. Webster, assistant professor in the Department of Public Speaking, under whom the contestants are working, is "The College Student and the Present War." The contestants are to read all they can on current affairs to get a broad background for their speeches, which may be five to seven minutes long, and participate in a drawing for specific subjects on the morning of March 27. Memorized speeches and notes at the contest are against the rules.

Those students in the contest and the societies they represent are Wilbur Davis, Belleville, and Charles Halbower, Anthony, Hamilton society; Betty Lee Piper, Salina, and Peggy Pearce, Manhattan, Ionian society; Louis Schlicher, Hoxie, and Ema Lou Bireline, Lewis, Browning society; and Clarence Schmitz, Alma, and Robert Singleton, Kansas City, Athenian society.

In former years a prize was given the contestant winning first place and honorable recognition for second place. This year, however, the Council is considering the plan of giving prizes to the organizations whose representatives amass the most points collectively.

KANSAS FROZEN FOOD LOCKER PLANT PATRONS, OPERATORS TO MEET HERE

D. L. Mackintosh, Secretary of State Association, Announces Plans for Convention April 16, 17

The Kansas Frozen Food Locker association will hold its third annual convention on the campus of Kansas State College in Manhattan April 16 and 17, David L. Mackintosh, secretary of the organization, has announced.

"The part the locker plant will play in our 'Food for Victory' program will be given major emphasis during the two-day conference," Mackintosh said, explaining that locker plant operators are expecting the facilities of their establishments to be used "to the limit," and the operators want to be prepared.

The College Departments of Food Economics and Nutrition, Agricultural Economics, Horticulture and Animal Husbandry are cooperating in program arrangements. Miss Mildred Boggs, nutrition specialist at Washington State College, Pullman, Wash., will discuss the relation of the frozen food locker industry to the national nutrition program. Others prominent in the field who will appear on the program include Wayne Carver, editor of the Locker Patron, an industrial magazine; Edward Squires, president of the National Frozen Food Locker association; K. F. Warner, Bureau of Animal Industry, U. S. D. A., Washington; Dr. S. T. Warrington, Farm Credit Administration, Kansas City; and Evan Wright, State Board of Health, Topeka.

Writes For Textile Journal

Miss Hazel Fletcher, assistant professor in the Department of Clothing and Textiles, Miss Martha Shelden and Miss Catharine Zink are co-authors of an article which appeared in the December and January issues of The Rayon Textile Monthly. Miss Shelden and Miss Zink received their master's degrees in home economics in 1941 and 1942, and the article was based on the results of their theses.

Receive Knitting Yarn

A second 25-pound consignment of yarn was received by the College Red Cross group last week. It was distributed to knitters who will make mittens, sweaters and mufflers in both adult and children's sizes.

WILDCAT TRACK TEAM TO MEET OKLAHOMA SOONERS TOMORROW

PART OF SQUAD SOUTH SATURDAY FOR TEXAS RELAYS

Hobbs Adams Speeds up Spring Football Drills—Coach Myers Anticipates Good Season for K-State Baseball Nine

The Wildcat trackmen will meet the University of Oklahoma Sooners in an outdoor dual encounter at Norman Thursday. The Oklahomans, losers to the K-State group last year, have indicated that they have a stronger team than before through their winning of second place in the Big Six indoor meet earlier this year.

Ward Haylett, Wildcat coach, said early this week that the Sooners were a much better balanced squad than they were at the meeting last year when the Kansas State team won 76-65.

SPEED UP GRID DRILLS

After the meet at Norman, 11 members of the squad will continue to Austin, Texas, to enter the Texas relays at the University of Texas Saturday.

Spring football drills at Kansas State are being speeded up as the potential gridsters round themselves into playing condition. Hobbs Adams, head football coach at Kansas State, said that the return of several absent regulars who had been engaged in other activities had strengthened the squad considerably and that the workouts would be accelerated.

Though no heavy scrimmages or intra-squad games have been on the gridiron schedule as yet, Adams has announced that he is planning to split the squad into two teams next Saturday and give them some actual game experience.

STRONG WINDS HAMPER PLAY

On the baseball front, with a large group of lettermen and experienced squadmen returning to the diamond this year, baseball coach Frank Myers is looking forward to a good season, though early practices have been hampered by unfavorable weather.

An intra-squad game last Saturday was postponed, and high winds have slowed this week's practices somewhat.

The first games of the season will be with the University of Kansas on April 8 and 9, Myers said.

DEFENSE TRAINING COURSE DESIGNED FOR WOMEN WILL BEGIN MARCH 30

Disclose Enrollment in Federal Program Will Not Keep Persons from Receiving Unemployment Pay

Product Inspection, new tuition-free Defense Training course for women only, will begin March 30, according to Prof. W. W. Carlson, Defense Training supervisor here.

The course will train women for jobs in ordnance and airplane plants and other types of defense industry. It will cover a period of 12 weeks of intensive, full-time study.

It also has been announced that attendance of classes in a government sponsored defense school will not cause eligible persons to become ineligible for unemployment compensation.

The Kansas State Unemployment division at Topeka has given an opinion that if an individual is unemployed because of lack of work, and there appears to be no suitable work available for him, the fact that he attends classes in a national defense training school will not automatically make him ineligible for benefits. Persons who voluntarily quit regular, full-time jobs for the purpose of attending national defense training schools are not, however, in most cases, eligible for benefits.

Tuition-free courses are offered at Kansas State College at regular intervals throughout the year. In addition to Product Inspection, training is offered in Engineering Drawing, Materials Inspection for Highways and Airports, Spectroscopy, Chemistry of Powder and Explosives and Cost Accounting. High school graduation is the only entrance requirement for several of these courses of training.

To Education Meeting

Prof. C. V. Williams of the Department of Vocational Education attended a meeting of the Progressive Education association in Kansas City last week.

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"HOME FRONT" WILL BE CENTER OF WARTIME HOSPITALITY DAYS

ANNUAL OPEN HOUSE IN CALVIN WILL BE APRIL 10, 11

Exhibits on "United for Action" Theme Will Show Action against Priorities, Rising Costs, New Problems

The "home front" in wartime will be saluted by the Kansas State College Home Economics annual Hospitality Days April 10 and 11 in exhibits and programs designed to show offensive action against priorities, rising costs, and new problems of family relations.

Exhibits portraying the theme "United for Action" will show how home economics students are doing their part. Experimental cookery classes developing standard recipes for substitutes such as corn syrup, molasses and honey will interest ration-minded homemakers. Relative nutritive values of various foods will be shown by other foods classes. One group will prepare meals in the individual kitchens while another will make and serve hot cookies.

SHOW RATIONING EFFECTS

The three meals a day prepared for the American soldier will be shown along with the comparative amounts of ingredients needed for an army cake in contrast to the cake used in the average home. A comparison of British, German and American meals in the amounts of food, kinds and costs will be shown. Comparative buying power of the food dollar during world war I, during the depression and during the present war will be part of the consumer education display.

Effects of rationing of fabrics on style and the role of home production in clothing and interior decoration will be timely exhibits. Care of present equipment will be stressed.

TO HONOR SCHOLARS

In addition to public interest in the College division, Hospitality Days hold a personal interest for the students. The dinner, the preceding evening, is the annual recognition of the outstanding young women. Home economics members of Phi Kappa Phi, honorary scholastic fraternity, and Omicron Nu, honorary home economics organization, will be announced.

The highest scholastically ranking senior and the freshman woman with highest grades last year will be honored. Newly elected officers of the Home Economics club will be installed and freshman counselors for next year announced.

Margaret L. Hill will be toastmistress for this banquet which will be in Thompson hall.

Climaxing the work of the open house will be the Hospitality Hop Saturday night for all women on the campus.

KANSAS CITY SINGER GIVES EASTER ASSEMBLY CONCERT

Alfred Rosbasch, Bass-Baritone, Presents Classical Numbers

Alfred Rosbasch, bass-baritone singer and cantor in the Temple B'nai Jehedah in Kansas City, Mo., gave a concert of classical numbers at the Easter student assembly Tuesday morning in College Auditorium.

Rosbasch was born in Germany and studied music there in preparation for membership in the Berlin Opera company. He came to this country in 1926.

Cereal Diseases Report Ready

Prof. L. E. Melchers, head of the Department of Botany and Plant Pathology here at Kansas State College, has announced the completion of a report on cereal diseases in the upper Mississippi Valley states. Professor Melchers was chairman of a committee making the report as part of the war emergency program of the American Phytopathological Society. An area including 12 states and three Canadian provinces was considered.

His Job Nearly Done



R. A. SEATON

KANSANS WILL DISCUSS WAR IMPACT AT STATE CONFERENCE HERE IN APRIL

Dr. Sylvia Allen Will Talk at Meeting Sponsored by Department of Child Welfare and Euthenics

Impacts of the war and how they may be met successfully will be discussed by interested men and women of the state at a conference on Family Morale in Wartime here April 24 and 25, under the sponsorship of the Department of Child Welfare and Euthenics.

Invitations are being sent by Dr. Katharine Roy, head of the department, to representatives of organizations interested in family problems. Panels will be headed by specialists in the field.

Dr. Sylvia Allen, of the Menninger clinic, Topeka, will be the speaker at the dinner for conference members, the Home Economics staff and the Manhattan social group of the American Association of University Women. Doctor Allen, a psychiatrist specializing in youth, will speak at the Friday afternoon session also, discussing "The Individual and the Present Situation."

STUDENT CIVIL ENGINEERS WILL GATHER ON CAMPUS

Three-Day District Conference at Kansas State Will Begin April 9

Students from nine colleges and universities in this area will meet on the Kansas State College campus April 9, 10 and 11 for the second annual session of the Mid-Continent conference of student chapters of the American Society of Civil Engineers. It is expected that nearly 50 members of the organization will attend.

The purpose of the Mid-Continent conference is to exchange and develop ideas on student seminars, according to Bob Gilles of Kansas City, secretary-treasurer of the conference. The group promotes student relations among all civil engineering students in the district. Included are schools in Arkansas, Missouri, Nebraska, Oklahoma and Kansas.

Registration will begin at 1 p. m. April 9 and activities will continue until Saturday. Thursday the delegates will attend the baseball game between the University of Kansas and Kansas State.

Highlight of the three-day convention will be the joint meeting with the Kansas section of American Society of Civil Engineers for dinner at the Country Club. E. B. Black, president of the parent chapter of the society, will be the speaker.

Initiate Three Journalists

Now wearing the linotype matrix badge of Theta Sigma Phi, honorary and professional fraternity for women in journalism are Mary Margaret Arnold, Manhattan; Margaret Mack, Manhattan; and Margaret Wunsch, Topeka. The junior journalists were initiated last week in a professional meeting at which Kenneth Davis, Manhattan, author of "In the Forests of the Night," spoke.

DEAN R. A. SEATON WILL RETURN TO FACULTY WORK THIS SUMMER

HAS DIRECTED FEDERAL PROGRAM OF DEFENSE TRAINING

Veteran Head of K-State Division of Engineering and Architecture Feels Government No Longer Needs Him

R. A. Seaton, who since December 1, 1940, has been director of Engineering, Science and Management Defense Training in the U. S. Office of Education, will return to the Kansas State College campus July 1 to resume his duties as dean of the Division of Engineering and Architecture.

Announcement of Dean Seaton's plans to return was made by President F. D. Farrell.

As director of the defense training program, Dean Seaton has served the government under a non-competitive temporary civil service appointment. During his leave of absence, Prof. L. E. Conrad has been dean of engineering.

OFFER TUITION-FREE COURSES

In disclosing his intention to return to the College, Dean Seaton explained that the Engineering, Science and Management Defense Training program had been sufficiently well organized and put into operation that he felt justified in returning.

The nationwide program preparing both men and women for jobs in production—particularly in defense industries—has been carried on in engineering schools, which have offered tuition-free, intensive courses in engineering drawing, inspection of materials, chemistry of powder and explosives, radio technology, cost accounting and other related subjects.

CARLSON DIRECTOR HERE

A report from Seaton's Washington office recently revealed that by last December 31, almost 400,000 persons had received training under the program. The number had been set at 137,656 by June 30, 1941, seven months after the training began. By December 31, 1941, some 253,093 more had received defense training. These numbers included many already employed in defense or other industry and taking the courses on a part-time basis.

Institutional representative directing the defense training at Kansas State College in Manhattan is Prof. W. W. Carlson.

1943 Speech Meet Here

In response to an invitation extended by the Department of Public Speaking, the Missouri Valley Forensic league will hold its 1943 tournament on the Kansas State College campus. Representatives of the state universities of Texas, South Dakota, Oklahoma, Kansas, Louisiana and Arkansas, Iowa State college, the University of Wichita and Creighton university will meet with those of Kansas State College in the annual contest tentatively scheduled for March, 1943.

CAMPUS UNDERGOES BLACKOUT MONDAY AS "ENEMY" BOMBERS ZOOM OVERHEAD

The first planned blackout ever conducted on the College campus went off "perfectly" Monday night as College officials cooperated with city, county and Ft. Riley defense leaders in the first such test of the war in this region.

At 10 o'clock lights on the campus and those in the 2,000-square-mile adjacent area blinked out, cars came to a halt at the curbs, and the city and College waited silently in the dark. Soon the drone of powerful motors overhead signaled the approach of "enemy" bombers—friendly craft from Marshall field at nearby Ft. Riley.

The "air raid" over, Manhattan waited again—at least those who had not dropped off to sleep by this time. At 10:30 a siren sounded shrilly, and the hundreds who had taken vantage points on the hills surrounding the city watched the lights glow again.

Grads In Civil Service

Five graduates of the curriculum in business administration at Kansas State recently received civil service employment. These people and their positions are: Ralph Cole, '39, senior clerk in the Rock Island arsenal, Davenport, Iowa; Maynard Cox, '39, payroll audit unit of North American Aviation, Inc., Kansas City; Elizabeth Reed, '36, junior clerk stenographer for the War Department, Washington, D. C.; Melvin Ward, '35, deputy zone collector for the Internal Revenue department; Harold Lemert, '41, auditor in the fiscal audit department of the War Department at Parsons.

TRI-SECTION AREA CEREAL CHEMISTS WILL MEET ON CAMPUS THIS MONTH

Kansas City, Nebraska and Pioneer Groups of Association Will Gather Here April 10 and 11

The annual tri-section meeting of the American Association of Cereal Chemists will be April 10 and 11 on the campus of Kansas State College. Individual and round-table discussions of developments in methods of milling and baking, reports of original research in the field, and a luncheon will comprise the program, prepared by Dr. E. G. Bayfield, head of the Department of Milling Industry.

The tri-section group is composed of the Kansas City, Nebraska and Pioneer sections of the association, the Pioneer section comprising cereal chemists of Salina, Wichita and Topeka.

College faculty members having parts in the program will be Dr. E. B. Working, K. F. Finney, J. A. Johnson, Dr. C. O. Swanson and J. E. Anderson, all of the milling department; and Dr. A. C. Andrews and Dr. J. S. Hughes, both of the Department of Chemistry.

Speaker at the luncheon April 11 in the College cafeteria will be Dr. E. C. Miller, professor of plant physiology, whose topic will be "Sense and Nonsense."

NOTES INCREASE IN NUMBER OF DAIRY HERDS ON TESTS

Russell Nelson Reports Additions to Groups Supervised by College

There has been an increase in the number of dairy herds on official tests in Kansas since January 1, according to Russell C. Nelson, instructor in dairy husbandry.

The latest information available shows an increase of eight herds in the Herd Improvement test, in which the entire herd is under test, and two in the Advanced Registry test, in which only a few individuals in the herd need be tested. All of these tests are sponsored by the respective breed associations and are under the official supervision of the Department of Dairy Husbandry at K-State.

At present, there are 37 herds with a total of 578 head on the Herd Improvement test, and 17 herds with a total of 132 head on the Advanced Registry test.

FARMERS OF SOUTHERN KANSAS FACE INVASION BY "GREEN BUG"

INSECT PEST WILL ATTACK OATS, WHEAT AND BARLEY

Entomologist E. G. Kelly Reports Aphid, Moving Rapidly North from Texas, Is Expected in State in Two or Three Weeks

Southern Kansas faces the danger of a widespread invasion of a "green bug" which will attack wheat, oats, and barley, according to Dr. E. G. Kelly, extension entomologist, who has received information that this insect is a serious problem in Texas this spring and is moving north rapidly.

The invading green bugs will arrive within the next two or three weeks. These flying insects will alight from Cherokee county to Harper county, and may spread north entirely across the state, Kelly said. In the danger area, farmers should be prepared to plant catch crops in place of wheat, oats, and barley destroyed by the pests. Crops suitable for this purpose are sorghums, soybeans, and cowpeas.

BUG IS AN APHID

Approximately 60 per cent of the oats in northern Texas already has been destroyed. A letter received from a Texas entomologist states that the infested area extends from Hardeman county to Tom Green county and north to Limestone and Kaufman counties.

The green bug is technically known as an aphid. It sucks the juices from plants and cannot be controlled by any insecticide when infestation is widespread. When the infestation is limited to small spots in the field, control can be achieved by using a brush drag, plowing under the infested spots, or scattering straw over the infested spots and burning it. But when the insects swarm into Kansas from Texas and Oklahoma, they will cover such widespread areas that control is impractical.

REPRODUCE RAPIDLY

The insect does not normally overwinter in Kansas. However, the pest moves into the state from the south whenever conditions are favorable for its development in Texas and Oklahoma. Many farmers will remember the invasions of 1907, 1916, 1921, 1928, and 1935. Doctor Kelly predicts that the situation this year may become as serious as in these previous outbreaks.

The insects reproduce very rapidly, a single female giving birth to four to six live young per day. The young mature and begin reproducing at the age of eight days. Weather conditions that promote rapid spread of the pest are warm days and high winds.

DEFENSE TRAINING COURSES WILL START DURING APRIL

Women Urged to Take Product Inspection—12-Week Tuition-Free Study

Opening date for Product Inspection, new tuition-free defense training course to be offered at Kansas State College, will be April 13. A new course in Engineering Drawing will begin April 27, according to an announcement from the office of Prof. W. W. Carlson, defense training supervisor.

Both 12-week courses are planned to give workers special training for jobs in defense industry. Product Inspection, planned especially for women but open also to men, leads to jobs as inspectors in aircraft production plants, while Engineering Drawing may lead to jobs as draftsmen as well as inspectors.

Sigma Tau Elects Myers

To head Sigma Tau, honorary engineering fraternity, next year is Robert Myers, Junction City, elected president last week. Other new officers are Leon Findley, Kiowa, vice-president; Joe McDonald, Topeka, recording secretary; Robert Hamm, Humboldt, treasurer; and Norman Ross, Manhattan, historian.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKER, Editor
CHARLES M. PLATT, JANE ROCKWELL, PAUL L. DITTMORE, ALBERT HOKLINGS, Associate Editors
KENNEY FORD, Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

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WEDNESDAY, APRIL 1, 1942

A FINE DEMONSTRATION

A "farm accident prevention" demonstration by two 4-H club boys was an important feature of the program at a recent gathering of people from town and country in a Kansas community.

Using home-made charts and figure-cards, the boys first told the story of farm accidents in general—of the loss in time, money and vitally needed production which they cause, of their cost in terms of human suffering.

Then they told the story of specific types of farm accidents, first using pictures of farm machinery to point out danger spots, then adding graphic emphasis by use in the demonstration of smaller farm tools or other objects frequently involved in accidents. The loose rung of a ladder gave way as one of the boys started to mount it, the head of an ax came off in the other's hand as he tested it before starting to swing, a board full of rusty nails was eloquent testimony to the danger of leaving such objects lying around the farmyard. In each case the total number of accidents occurring in the United States and in Kansas, from causes similar to the one demonstrated, was pointed out.

The demonstration was certainly not unusual in type, so far as 4-H work is concerned, and it probably was not unusual as to skill of presentation. But it held the rapt attention of a group of people with widely divergent backgrounds, from beginning to end, and each safety lesson left a vivid impression.

It was a fine illustration of the effectiveness of a program which, while providing adult encouragement and guidance, leaves the greatest part of the responsibility for success or failure to youthful initiative, ingenuity, and judgment.

SCIENCE ON THE OFFENSIVE

Those of us past our school days get our continuing education from the daily tasks we perform, the newspapers, the radio, the movies, magazines and books, our neighbors and our other contacts with each other. The press and the other media of intelligence or communication have a great responsibility and opportunity which they are fulfilling with considerable success. This sphere of education is one in which in present times our scientific civilization will be doing very well if it can conduct primarily a defense or holding operation, to use military terms.

It is in the schools that scientific education can go on the offensive with good hope of success, if you teachers who are in the front line will plan your campaign rightly and conduct it diligently.

First and most important is a conviction that science is a mode of thought and action, not just a body of knowledge, or a course, or a unit of instruction. The method of science must be made to permeate the whole experience of the boy or girl, in school and out, in courses and classes not labeled "science" as well as those that get that classification. You who are science teachers must recruit the teachers in other fields for your campaign. You must enlist mothers and fathers.

Schools as well as factories must have longer hours. I am not advocating any lengthening of the hours

of formal instruction—that would not be effective—but the boys and girls must be so introduced to science, which is rational living, that they won't stop when the dismissal bell rings. Education and schooling, to be real, must be creative. The torch of understanding within must take fire. The light created must blaze on.

Formal instruction must be supplemented by the spontaneous researching and exploring done by groups eager to carry out projects of their own. This is the place for the science club, absorbing energies and enthusiasms. It is a wise teacher who lets the infective creativeness of such a group carry the burden of real instruction, who almost makes the classes during school hours an adjunct to the consuming interest of the student-developed activity. Watson Davis, director of Science Service, speaking to the General Science Association of New York.

CONSERVATION IS CONTAGIOUS

We must work harder than ever before to make our people understand that America cannot well afford further destruction of the goodness of its earth. As an evangel, or an educator, a farm planner for soil conservation, an extension specialist, or whatever you prefer to call yourself, you can contribute to total national defense by believing and preaching conservation.

If you can reach and influence one person to have a little soil, a farm pond, or a useful bird or a tree, our total resources will be swelled by that much. Conservation, like other ideas and philosophies, is contagious. Soil conservation districts, for example, are like rolling snowballs, they grow bigger, cover more ground. The teaching of conservation in schools will bring results not even imagined as yet.

We must keep these things in mind and remember that the conservationist's defense job is rather well cut out for him. It would be a disaster if, in winning the war for democracy, this continent should lose all that it has gained, and more, in its battle for conservation. It would be a world tragedy if, in defending its borders, North America should lose the very resources—its soils and its waters—that make it strong.—F. E. Charles in Soil Conservation.

PEST PARALYZER

Poison sprays that need only to touch Japanese beetles to disable them were described before the meeting of the American Chemical Society at Atlantic City by Dr. W. H. Tisdale and Dr. A. L. Flenner of the du Pont pest-control laboratory at Wilmington, Del. Contact with the beetles promptly paralyzes their mouth parts and forelegs. Naturally, a beetle with paralyzed jaws can't be very active as a pest.

There are a number of compounds having this effect, Doctor Tisdale stated. All of them are derived from a complex organic chemical known as dithiocarbamic acid. Some of them have been found effective against other animal pests, among them the internal parasite causing the serious poultry disease, coccidiosis.

The compounds prove their versatility by being deadly also to fungi that cause plant disease. They even do their own sticking, eliminating the need for adhesives added to many other fungicidal sprays to make them cling to foliage and fruit.—From Science Service.

FLYING TO THE MOON

It is entirely possible for man to fly to the moon. The means have been invented, blueprints have been drawn up, and men like Millikan, Lindbergh, Goddard and Haldane have approved the scientific soundness of the idea.

The vehicle would be a rocket whose main bulk consists of fuel chambers that automatically disengage themselves from the ship after they have discharged their loads. It would be a gigantic bullet built in a series of cylindrical steps, the larger, lower ones containing nothing but fuel and the smallest, topmost one carrying four men and a quantity of instruments and supplies.

The rocket would be powerful enough to reach the moon and return to earth. There is only one reason why it has not been constructed; its cost is estimated to be in the neighborhood of \$100,000,000.—Adam Margoshes in Coronet.

IN OLDER DAYS TEN YEARS AGO

Alice Marston, '24, was a professor of bacteriology in Boston university.

Alan Daily, '24, was a radio extension specialist with the United States Department of Agriculture radio service at Washington, D. C.

Prof. M. A. Durland, assistant dean of engineering, was in Hays where he spoke to the Professional club of the college there. The subject discussed by Professor Durland was "Engineering Professions, the Field of Engineering and Its Requirements."

TWENTY YEARS AGO

Frank A. Waugh, '91, was professor of horticulture at the Massachusetts Agricultural college, Amherst.

Dr. H. H. King and Dr. J. S. Hughes left for Birmingham, Ala., to read papers before the spring meeting of the American Chemical society.

A. R. Losh, '10, was acting district engineer, United States bureau of public roads, for Texas, Oklahoma, Arkansas, and Louisiana, with headquarters in Fort Worth, Texas.

THIRTY YEARS AGO

Mose Elliott, '11, was at Chuluota, Fla., where he was employed as a bridge inspector for the Florida East Coast railroad.

Dr. J. W. Scott, of the Department of Entomology and Zoology, attended the meeting of the American Society

of Zoology at Urbana, Ill. Doctor Scott was on the program.

A number of alumni and former students of the College met at the home of Mr. and Mrs. Elmer Seeber, Fruitvale, Calif. The meeting was in honor of Dr. C. A. Pyle, '04.

FORTY YEARS AGO

Otto Purdy, '99, was assistant manager of the El Paso American, a daily newspaper.

Professor McKeever delivered a lecture before the Northwest Kansas Teachers' association which met at Valley Falls.

The War department announced that Frank W. Coe, f. s., captain of artillery, was relieved from duty as instructor at West Point and ordered to join his corps.

FIFTY YEARS AGO

W. W. Hutto, '91, and E. M. Hutto, f. s., were prospecting in Oklahoma.

D. W. Working, '88, was promoted from lecturer to master of the Colorado State Grange.

SIXTY YEARS AGO

Wirt S. Myers, '81, succeeded T. B. Morgan as foreman of the College farm.

At the meeting of Alpha Beta society the following members were elected officers: I. D. Gardiner, president; F. W. Dunn, vice-president; Ada Quinby, secretary; J. T. Willard, corresponding secretary; L. P. Gardiner, treasurer; H. B. Jones, marshal.

SCIENCE TODAY

J. W. GREENE

Associate Professor, Department of Chemical Engineering

Under the stress of war, the production of synthetic materials has been stupendously accelerated. Rubber, explosives and aviation motor fuels are several of the items which are being produced in greatly increased volume. Substitutes for vital materials and new products are being sought with a zeal little short of desperation.

The magnitude of wartime synthesis may be appreciated when it is realized that thousands of tons of military explosives must be manufactured daily. A single large-scale air raid in which a thousand tons of bombs are dropped requires 500 tons of high explosives. It has been reliably estimated that approximately 10,000 chemists and chemical engineers will be required to direct and supervise operations in our explosives plants.

T. N. T. and tetryl, the most commonly employed high explosives are specific compounds and not mixtures like black powder. The synthesis of TNT starts with coal or petroleum. In either case high temperature reactions are followed by careful purification to obtain pure toluene. Three successive treatments with nitric and sulfuric acid are employed to convert toluene to crude TNT which must be purified before it can be safely used. Tetryl is also a coal tar derivative. Six chemical treatments are required to make this most powerful military explosive.

The manufacture of military explosives is carefully controlled by laboratory tests and by analyses of the finished product. A high degree of purity is essential because the properties of these compounds are greatly altered by the presence of small amounts of impurities. Traces of acid, metallic compounds or gritty foreign matter cannot be tolerated.

The emergency in the Pacific has focused attention on our ability to produce synthetic rubber. Although research was started in this field shortly after Goodyear discovered the vulcanization process in 1839, marked progress was not made until efforts were directed toward producing a polymer having the physical properties rather than the chemical structure of natural rubber. Neoprene, introduced in 1931, by du Pont, was the first successful product resulting from this new approach. In 1932 and 1933 Thiokol and Koroseal were announced by American companies. Germany started production of these new types of rubber in 1935 and in 1938 the German army rolled into Austria on tires made from synthetic rubber. In 1940, Goodrich, Goodyear, Firestone and the Standard Oil Company

of New Jersey initiated small-scale production of new variations of synthetic rubber.

In August, 1941, the price of synthetic rubber was 60 cents a pound as compared to 23 cents for the natural product. On a large tonnage basis, it has been estimated that the finished synthetic product can be made to sell at 25 cents per pound.

We may survey with some satisfaction the progress in the development of synthetic rubber in the United States in the last decade. In this period four new types of elastic polymers have been evolved. The plants in operation and under construction are approaching such a capacity as to justify the use of the expression "synthetic rubber industry." It is an infant industry, but it is growing rapidly and has already taken an important role in our war program. The picture for general civilian use is far from bright, however, because expensive plants and large staffs of technical men are required for these processes. Neither men nor plants are now available for non-essential materials.

In a war of swift vehicles, fuel is a predominant factor. In our country because of the large available supplies of high grade motor fuels, the development of high compression engines has progressed further than anywhere else in the world. Iso-octane, 15 years ago, was a relatively rare hydrocarbon laboriously synthesized in the laboratory. Commercial production of this or other similar compounds was regarded as fanciful. Today great rivers of this synthetic fuel, measured in millions of barrels, pour ceaseless floods into the gasoline tanks of huge bombers and fast pursuit ships.

Not only has the performance of iso-octane been equaled, but even better fuels are being synthesized on a large scale. The significance of these modern fuels lies in the greater power produced per unit volume of piston displacement. This means an increase in horse power per pound of engine weight. Today's engines produce over 100 per cent more power per pound than those used in 1918 and nearly 50 per cent more than the best engines of 1930. In addition, the energy recovered per pound of fuel is also increased which permits larger bomb loads because of reduced fuel requirements.

In previous years, the development of new and better things was directed toward a higher standard of living, today it is aimed at making our war effort more effective. Synthetics are no longer optional substitutes as they formerly were in many cases. Our national existence is now dependent on them.

KANSAS POETRY

Robert Conover, Editor

TO MY SUCCESSOR

By Ida Josephine Brittain

May my farewell be said with grace—
When you shall come to take my place;

May I not . . . lingeringly . . . stand
Upon the threshold, hat in hand,

Grieving to leave so gay a scene;
May I, with thoughts that are serene,

Step boldly out into the night,
Regretting not another light

With a more beautiful glow will shine
Within the space that once was mine;

May I, through midnight's velvet, see
The gallant group ahead of me;

May I give you . . . with my last smile . . .
This place I loved . . . a little while.

Ida Josephine Brittain's home is in Salina. Her poem, "Ambassadors of Beauty," which first appeared in the Kansas City Star was reprinted in the anthology section of the 1942 Kansas Magazine.

SUNFLOWERS

By H. W. Davis

OLDSTERS COMING UP

At long last we old buckaroos with thick lenses, store teeth, creaky hinges, and aluminum arches are to march up and lay our everything on the altar of Uncle Samuel. April 27 is the day we sign on the dotted line for the duration, plus the customary six months.

Don't smile too soon. We may fool somebody. Our execution of the rhumba may not intrigue Carmen Miranda much, and our stab at La Conga may be lacking in sinuosity or whatever it takes; but maybe we can swing in somewhere and toss off a buck and wing that will fit into the war effort.

We walked in our youth, you remember, and there are muscles in our legs still unaroused in the legs of young whipper-snappers who can't negotiate twelve blocks in a half-day without the aid of a cream sport-roaster or a jalopy. We worked occasionally with our hands too, and I do not mean twirling a steering wheel, flipping a switch or slipping a nickel in a juke box.

And we labored a bit with our brains too. In our day there were few leaders of youth to make up our minds for us at every crossroads, keep us in line socially and spiritually, and take us to dude camps every summer to toughen us into sensible citizenship. No, we had to get that in the old college of hard knocks.

None of us knows exactly what he can do in the war effort. Not many of us can spot-weld or fly a bomber or jump a jeep across a creek; but maybe we can sort of keep the country going, make enough money to pay part of the taxes, farm a little, run businesses, keep schools open, and otherwise maintain the nation in ship-shape so the boys will want to come back when the long war is over.

America will have to be maintained as well as saved, I guess. Up to now our honorable representatives and misrepresentatives at Washington have not got around to that, but they will. They are so caught up in the panic of shifting over into a war effort, they forget about maintaining a nation worthy of that effort and capable of supporting it.

As I said, none of us oldsters knows exactly what he can do. Few of us even know approximately what we can do. As usual, we suppose, we shall get a heavy share of inglorious realism and grime, while the youngsters run away with romance and publicity.

But we don't care about that—we are used to it. By the time we get enrolled and card-indexed, we hope the Government will have had a hunch that fields still have to be plowed, businesses operated, munitions of war manufactured, schools taught, and news about everything disseminated.

We oldsters, bless our brittle arteries, are going to operate America on a 168-hour week, and make it pay—and pay—and pay—and pay. Don't smile too early!

Dreams are the true interpreters of our inclinations, but art is required to sort and understand them.

—Montaigne.

AMONG THE ALUMNI

Clara (Keyes) Graham, B. S. '87, Ramona, Calif., for many years taught and supervised biology and zoology in the Philippines. She has published a laboratory manual on biology and zoology.

J. Olin Graham, B. S. '08, writes that he is sole owner and manager of the South Texas Butane Gas company, Wharton, Texas. He was county agent for many years at Wharton. Mrs. Graham was formerly Cordie M. Birdsong.

Lt. Col. Guy C. Rexroad, M. E. '09, and Alice (Hazen) Rexroad, D. S. '09, are now at Camp Robinson, Ark., where Colonel Rexroad is stationed in the corps area service command.

Louberta (Smith) White, D. S. '10, writes that she and John R. White may be addressed at Box 194, Stella-loom, Wash. They moved in November, 1941, to Stella-loom from Grants Pass, Ore.

Ethel (Goheen) Edgar, D. S. '13, and her husband, Delbert E. Edgar, moved this month from Manhattan, to their new home at 412 N. W. Forty-first Street, Miami, Fla.

Major Earl R. Harrouff, B. S. '16, writes, "I am inclosing annual dues to cover sending THE INDUSTRIALIST to me at the address given below, so that I may keep up with Kansas Staters in the Army and Navy."

"After six months service at Edge-wood arsenal, I am now doing administrative work in the office of chief of chemical warfare service. This is my second hitch, having served in the same branch in the first World War." His address is: Earl R. Harrouff; Major, CWS; c/o Chief Chem. Warfare Service; 23rd and D Streets, N. W.; Washington, D. C.

Roy E. Griffiths, f. s. '17, and Agnes (Ramey) Griffiths, f. s., write on stationery of the Hotel Beck, where they live in Stockton, Kan. The hotel is operated by the Beck-Griffiths Hotel company. Mr. and Mrs. Griffiths have two daughters—Patricia, 16, and Barbara, 13.

Karl S. Quisenberry, Ag. '21, has his master's degree, '25, and Ph. D. '31, from the University of Minnesota. He is employed by the United States Department of Agriculture as agronomist in the division of cereal crops and diseases and is located at Lincoln, Neb. He and Julia (Pinter) Quisenberry have two children—Karl, Jr., 15, and Marian, 11. They live at 1241 North Forty-First Street, Lincoln.

George M. Glendening, E. E. '22, is now employed by General Electric company, with whom he worked before his position of the past few years with the Commercial Investment

Trust corporation, Cedar Rapids, Iowa, and Kansas City, Mo. He and Clara (Larson) Glendening now live at 201 West Jefferson Avenue, Wheaton, Ill.

Dr. Andrew J. McKee, D. V. M. '23, and Pauline (Brooks) McKee are at 3611 Willia Street, Houston, Texas. Doctor McKee is a veterinary surgeon and has a small-animal practice there as a member of the firm of Horning and McKee.

Raymond Yoder, E. E. '24, has been engineer for several firms since his graduation. His first work was with General Electric company, N. Y., then to the Balke-Collider company, Chicago, Ill. In 1934, he became chief engineer for Lear Developments, Inc., and then to Galvin Manufacturing corporation, Chicago. He married Evelyn Gordon in 1940 and they now live at 1219 North Rosell, Oak Park, Ill.

Fred W. Schultz, Ag. '26, wrote to send his change of address from Berwyn, Ill., to Ridgeway, Mo. He is connected with the United States Department of Agriculture as food and drug inspector. Mrs. Schultz was formerly Lynn Williams.

Nelle (Conroy) Pitchford, Music '27, writes that she and her husband, Stanley S. Pitchford, have moved from Pocatello, Idaho, to Montpelier, Idaho.

Mrs. B. Alene (Hibarger) Theisner, M. S. '28, is director of nutrition for the Detroit Dairy and Food council. A report from her tells how the Detroit council has supplied a practical solution to better nutrition for low income families by furnishing menus and recipes. This activity is a phase of the program of unit council participation in the victory program. Her address is 727 New Center Building, Detroit, Mich.

Pearl Marie Maus, M. S. '28, 2026 Seabrook, Topeka, Kan., is an experienced guide. She has purchased two summer cabins at Woodland Park, Colo., for use by vacationers in the summer.

Edwin H. Kroeker, I. Chem. '29, represented his Alma Mater when a representative of Kansas State was requested at the inauguration of President Johnson, Temple university, Philadelphia. He is research chemist for Rohm and Haas company in Philadelphia. He and Edith (Donat) Kroeker live at 410 Ryers Avenue, Cheltenham, Pa.

Ruth (Correll) Townsend, P. E. '29, and John H. Townsend have three sons—John David, 10, Thomas W., 8, and Daniel, 2. They live in Phillipsburg, Kan., where they own the Townsend's mart—which sells groceries, meats, vegetables.

John W. Decker, Ag. '30, writes, "I am now working for the Union Central Life Insurance company as a field representative. My headquarters is here at Chanute, and I would

like to have THE INDUSTRIALIST sent to me here." He and Helen (Converse) Decker live at 1120 South Evergreen, Chanute, Kan.

Arthur E. Everett, C. E. '31, Prof. Deg. '37, government engineer, is chief engineer of construction at Camp Carson, Colorado Springs, Colo. He and Roberta (Barnard) Everett, f. s., live at 1210 North Custer, Colorado Springs.

Maynard H. Solt, I. Chem. '32, M. S. '33, is petroleum inspector for Charles Martin and company, in charge of the Baytown, Texas, office at Humble Oil and Refining company. He handles the inspection of petroleum products being loaded on coastwise and foreign oil tankers for quality and quantity. He and Mrs. Solt live at 226 1-2 Iowa Street, Baytown, Texas.

Lt. Ernest H. Reed, G. S. '33, called at the office to report that he

LOOKING AROUND KENNEY L. FORD

To All '07s Everywhere:

It was 35 years ago! The occasion gives rise to pleasant memories. To those of you who can respond to the homing call, we will try to arrange a cordial welcome and a chance to meet together for exchange of experiences.

So wherever you may be, we extend a hearty invitation to join with us May 23-25 to renew again the memories of our student days at Kansas State. Let us hear from you.

Mary Kimball, Registrar's Office, K. S. C.

Ella Meyer, Extension Division, K. S. C.

James C. Richards, 1209 Bertrand, Manhattan, Kan.

L. M. Jorgenson, Electrical Engrg. Dept., K. S. C.

To the Class of 1887:

Our class of twenty-one June 8, 1887, now numbers eight, scattered from Kansas to Yukon, Canada, California and Arizona.

Conforming with our Alumni Association plan of class reunions, our class will celebrate its fifty-fifth anniversary during College commencement 1942, May 23 to 25. Alumni Day is May 23. The annual business meeting is at 2 o'clock. The alumni-senior banquet is in the evening.

Our members are urged to attend this five-year reunion. We are proud of our College, of its growth, of its personnel, of its usefulness, of its campus. May is an auspicious time to visit Kansas State and renew old scenes and meet old acquaintances on "the hill." Every reunion emphasizes our thinning ranks. Come to commencement and we will talk it over.

Walter J. Burtis, '87.

is on leave of absence as director of public speaking and debate, Indiana State Teachers college, Terre Haute, Ind. He is at present assistant adjutant, billeting officer and postal officer, post headquarters, Ft. Riley, Kan. Hollis (Sexson) Reed, H. E. '34, is also at Ft. Riley.

Carl Edward Pate, Chem. E. '34, tests materials for the Kansas highway commission in the chemical laboratory of the materials department. He is located in the engineering building at Kansas State College. He lives at 1006 Leavenworth, Manhattan.

Grace (Van Scoyoc) Lake, H. E. '34, writes that she and her husband, Donald W. Lake, have moved from Anthony to 603 Ellis, Coffeyville, Kan.

Forrest L. Walker, M. S. '35, is boys' work secretary for the Carlton Avenue branch of Y. M. C. A., 405 Carlton Avenue, Brooklyn, N. Y. He and Gertrude (Tweed) Walker and their one son, Junior, live at 1089 Union Avenue, New York.

John Hayes Howard, E. E. '35, is electrical research engineer at the Massachusetts Institute of Technology, Cambridge, Mass. He and Nancy (Stark) Howard are at 35 Spring Street, Lexington, Mass.

Bonita (Sharp) Simmons, H. E. '36, wrote when she and Robert P. Simmons moved to New Bedford, Mass., where he became office manager of the St. Luke's hospital. They were formerly at the Peter Bent Brigham hospital, Boston, Mass., where Mrs. Simmons was chief dietitian.

James G. Gaume, G. S. '36, received his M. D. from Creighton university in 1940 and is now physician and surgeon at Ellinwood, Kan. Mrs. Gaume is Jean (Hemstreet) Gaume.

Joseph A. Farney, G. S. '36, D. V. M. '38, practices his veterinary medicine at the Pfister and Farney hospital, 4314 Main Street, Kansas City, Mo. He and Wilma (Bahr) Farney, f. s., live at 4831 Liberty.

Harold W. Lindahl, Mill. Ind. '37, is production manager of the Abilene Flour Mills company. The address for Harold and Vaughn (Martin) Lindahl is 909 N. W. Second Street.

Dorothy E. Turner, M. S. '37, 3921 Pine Knot Court, Wichita, Kan., is assistant librarian at Wichita High School East.

Word has been received of the death by drowning of Dr. Tang Hsiang-yu (James Tang) f. s. '37. Doctor Tang was professor of agronomy at the College of Agriculture, University of Nanking. His wife writes, "We have a young son, Carl, who is 2 years old now. I expect to go on with my teaching of English in the university, at least for this year and perhaps longer. When I go back home, I should like very much to visit Manhattan and the people who charmed Jim so much."

S. T. "Ted" Freeman, I. J. '38, and Mildred (Jackson) Freeman, f. s. '39, are at 1018 West Eighth Street, Okmulgee, Okla. Mr. Freeman is manager of the Goodrich Silvertown store at Fourth and Grand. He has been with the Goodrich company since graduation in 1938.

Philip T. Allen, Ag. '39, is in research work with the Farm Security Administration. He is located at 2021 Branch Avenue, S. E., Washington, D. C.

Verna I. Miller, H. E. '39, teaches vocational homemaking at Miltonvale, Kan.

Lt. Carlyle P. Woelfer, M. I. '40, writes, "I am now stationed at the Portland air base, Portland, Ore. My duties are those of the group armament officer, acting as the supervisor of instruction and coordination of all aviation armament work."

"I was married June 29 to Helen Cunningham, and we are living here in Portland. The scenery is very nice, but the rain is so different from Kansas—it rains every day. There are several Kansas State men here—two as officers and several enlisted men."

Theda Stine, H. E. '41, writes, "I have secured a position as home service director for the New Mexico Gas company. This company is one part of the Southern Union Gas company—composed of five separate divisions and if home service is a success in this division then the company will enlarge the department. There is a great need for home economics in this state."

RECENT HAPPENINGS ON THE HILL

Tryouts for the last Manhattan Theatre production of the season, "Accent on Youth," were Monday. The cast includes three women's and six men's parts.

Six o'clock Thursday afternoon will see Kansas State College students on their way home for the four-day Easter vacation. Monday will see them back in Manhattan in time for classes on Tuesday.

To head the Margaret Justin Home Economics club for next year is Marcile Norby, Cullison. Other officers elected last week are Beth Stockwell, Manhattan, vice-president; Margaret Ann Collings, Kansas City, Mo., secretary-treasurer; Hermagene Palenski, Alma, chairman of the lecture board.

Charles Davis Roberts, 19, of Tulsa, Okla., is the first colored youth to enrol for defense training at Kansas State College since introduction of the federal program more than 14 months ago. He was a social science student at Howard University, Washington, D. C., before he enrolled here in engineering drawing.

One Wichita defense plant is so well satisfied with three of its inspectors, former students of the defense training course in engineering drawing at Kansas State College, it has requested Prof. W. W. Carlson, defense training head, to send two more students as soon as they complete the present course in engineering drawing.

Initiated into Alpha Zeta, honorary agricultural fraternity, Monday night were nine graduate and undergraduate students in agriculture. The initiates were John Aiken, Moran; Clair Parcel, Coldwater; Chase Wilson, Mulvane; Paul Chronister, Abilene; Ned Rokey, Sabetha; Norman Kruse, Barnes; Marlo Dirks, Moundridge; and Donald Fleming, Ottawa.

Leon Findley, Kiowa, was elected president of the College YMCA Monday. Elected vice-presidents were Glen Cline, Fredonia; Paul Engle, Manhattan; and William Griffing, Manhattan. Warren Taylor, Manhattan, is the new recording secretary for next year. Walter Moore, Dresden, is business manager of the YMCA board, members of which include Wayne MacKirdy, Manhattan; Grant Marburger, Lyons; Ghester Peters, Valley Falls; Donald Phinney, Russell; and Ned Rokey, Sabetha.

BIRTHS

Bernice (Cousins) Ferris, G. S. '31, and Robert C. Ferris, f. s., have a daughter, Pamela Sue, born Saturday, March 14. They live at 3328 Orange Avenue, Long Beach, Calif.

L. George Morgan, Chem. E. '37, and Frances (Ruggles) Morgan of 1000 Osage, Manhattan, have a daughter, Rosemary Sue, born at the Saint Mary hospital March 1. Mr. Morgan is materials inspector at the state highway laboratory on the campus.

Lebert R. Shultz, Ag. '36, and Margaret Ruth (Urquhart) Shultz, H. E. '36, Cobleskill, N. Y., have sent announcement of the arrival of Lebert Dean (Lee) on March 17. They have no other children. Mr. Shultz is county club agent at Cobleskill, where they live at 55 Main Street. They were formerly in Kansas, where Mr. Shultz was assistant county agent in Hiawatha, before going to Cobleskill in 1937.

Spencer H. Wyant, G. S. '36, is a draftsman for the Southwestern Bell Telephone company, and recently sent in a blueprint to the Alumni office which read, "Gennie and Spencer very proudly announce the arrival of Spencer Hastings Wyant II, on Sunday, March 8. Weight: 7 lbs. 4 oz. Length: 19 inches. Mother, Son, and Father are doing fine." Mrs. Wyant is the former Genevieve Freed, I. J. '38. They have lived at 3312 Tanglely, Houston, Texas, for a year since being transferred there from Topeka.

RECOGNITION GIVEN MARK CARLETON, DISTINGUISHED ALUMNUS, SIXTEEN YEARS AFTER BENEFACTOR'S DEATH

Mark A. Carleton, '87, whose life was devoted to the discovery, development and introduction of improved varieties of wheat, was honored recently by the Manhattan Rotary club as one of the greatest men in the history of the wheat industry. The suggestion that he be honored here came, strangely enough, from a newly organized Rotary club in Marilla, Sao Paulo, in southern Brazil.

Explaining that South Americans are grateful for Carleton's accomplishments in introducing the hardy varieties of wheat which they now grow, the Marilla club's secretary wrote the Manhattan club members urging them to pay homage to the man who had done so much for the wheat industry. It was fitting, he wrote, that the action be taken here in Manhattan where the specialist did much of his experimental work.

A program was arranged, with men who had known and worked with him as speakers. President F. D. Farrell had worked with Carleton in his wheat experiments, as had Harry Umberger, dean of the Division of Extension, and Dr. John H. Parker, director of wheat experiments for the Kansas Wheat Improvement association at Manhattan.

Actually Mark Carleton, plant pathologist and explorer, had but small connection with South America other than introducing a hardy wheat. He was in the country only a short time

before he contracted acute malarial fever and died forgotten in Peru in April, 1925.

After graduation from Kansas State College in 1887 Carleton became an instructor in natural sciences at Garfield university (now Friends university) in Wichita, but found that he did not like indoor work. He quit his job to return to the College for more study of plant pathology, receiving his master of arts degree in 1893.

Mark Carleton occupied many positions in the field of agricultural science. He was for a time assistant botanist at the Kansas Agricultural Experiment Station and later a U. S. D. A. assistant plant pathologist. In that position he made extensive experiments with black stem and orange leaf rusts on wheat. During two years he had plots at Kansas State for the rust experiments.

While he was working at Kansas State and traveling over the plains area seeking strong specimens of the wheat plant, he became obsessed with the idea of carrying his search to Russia. While Kansas weather was killing off most of his samples, he studied soils, temperature charts and interviewed farmers, always seeking resistant wheat samples.

He discovered that Mennonite farmers raised good wheat crops in spite of hard winters and ruin all around them. Questioning them, he

learned they were raising wheat brought over from Russia by their fathers and grandfathers. The flame in his heart was fanned by the desire to go to Russia, and his obsession became so great he even began to study the Russian language.

After months of argument, he convinced his superiors that it was a good idea for him to go to Russia, and he was sent on a special mission to search for rust and drought resisting varieties of wheat. As a result of his trip, he introduced Kubanka, Durum, Turkey, Kharkof, the Black Winter Emmer and the 60-Day (Kherson) oats.

When he was made chief cerealist in charge of grain investigations in the Bureau of Plant Industry, a position which he held for 17 years, Mark Carleton again settled down to wheat experiments. During this time he introduced many new cereal grains and did much to develop dry farming practices.

When he lost his job because of administrative difficulties he returned to his old love, plant pathology. He studied banana diseases in Panama for the United Fruit company, later moving into Honduras to carry on similar work. From that country he went to Peru to study cotton diseases. There he died, a broken-hearted man doing insignificant work compared to what he had done before.

38 CAMPUS SCHOLARS ELECTED TO PHI KAPPA PHI MEMBERSHIP

NEW GROUP HONORED INCLUDES
THREE FACULTY MEMBERS

All Divisions of College Represented in
List of Students Cited by National
Honorary Scholastic
Society

Thirty-five new student members and three faculty members have been elected to the Kansas State College chapter of Phi Kappa Phi, national scholastic honorary organization. To be elected to Phi Kappa Phi, students must rank in the highest per cent of their class scholastically.

In each division of the College, high honors are awarded to the three per cent of the senior class having the highest standing in scholarship during their junior and senior years. Honors also are awarded to not more than an additional seven per cent of the senior class.

SIX DIVISIONS REPRESENTED

Six divisions are represented by the newly elected members. The members and divisions:

Division of Agriculture—George C. Wreath, Manhattan; Robert E. Wagner, Garden City; Donald E. Fleming, Ottawa; Oscar W. Norby, Pratt; Murray L. Kinman, Manhattan.

Division of Engineering and Architecture—Phillip Myers, Formoso; Marion A. Miller, Topeka; Glenn O. Schwab, Gridley; Arthur D. McGovern, Schenectady, N. Y.; Don F. Holsinger, Dwight; Edward E. Kirkham, Topeka; Leroy L. Hughes, Topeka; Joe Bruington, Jr., Kansas City; John M. St. John, Wichita; Robert W. Annis, Gypsum.

Division of General Science—Marjorie J. Spurrier, Kingman; Dorothy M. McGugin, Kansas City, Mo.; Arnold L. Peterson, McPherson; Doris M. McGugin, Kansas City, Mo.; Helen Virginia Holbert Leidler, Manhattan; Dorothy Jean Triplett, Iola; Barbara Jean Campbell, Lakin; Patricia Potter, Peabody.

NAME THREE STAFF MEMBERS

Division of Home Economics—Irma L. Popp, Marion; Margaret E. Salser, Wichita; Mary Ann Bair, Wamego; Jane Haymaker, Manhattan; Helen V. Ferrier, Altamont; Martha L. DeMand, Lincolnville; Betty E. Hutchinson, Goddard; Marjorie J. Courter, Severy.

Division of Veterinary Medicine—William Roger West, Manhattan; Fred Walker, San Diego, Calif.

Division of Graduate Study—Stephen Roberts, Manhattan; John Johnson, Manhattan.

Faculty members are: Dr. Ruth Lindquist, head of the Department of Household Economics; Prof. Eva McMillan, assistant dean of the Division of Home Economics and associate professor of Food Economics and Nutrition; and Dr. W. H. Metzger, associate professor of agronomy.

STUDENT ENGINEERS TALK TO SIGNAL CORPS OFFICER

Junior and Senior Electricals Eligible
for Deferred Enlistment

Kansas State College students who are studying ultra-high-frequency techniques were interviewed last Thursday by Lt. F. A. Zimmerman, who represented the chief signal officer in the War Department at Washington.

The War Department has authorized the chief signal officer to enlist junior and senior electrical engineering or electronic physics students in the Signal Corps, for deferment from active duty till they have completed their academic courses. A number of students applied for enlistment in the corps after Zimmerman's visit.

Kansas State College is one of 40 engineering schools offering a special course in electronics known as Ultra-High-Frequency Techniques. Designed for senior electrical engineering, physics, and graduate students, the course covers the basic electronic theory involved in the design and operation of equipment used in the detection of approaching airplanes.

Conduct School at Chanute

Dr. C. W. McCampbell, head, and Prof. R. B. Cathcart, both of the Department of Animal Husbandry, conducted a regional Type and Action School at Chanute last Thursday. The school was sponsored by the Kansas Show Horse Breeders' association.

Student Home Economists Make Most of What They Have



Sewing, snipping and stitching to remake an old bed for one of the exhibits at the annual Home Economics Hospitality Days April 10 and 11 are Jean Fee, left, Cunningham, and Margaret Kerr, Hackensack, N. J. The K-State women have invited high school students from all over Kansas to participate in their annual open house.

GLEN EDGERTON, K-STATE GRADUATE, RAISED TO RANK OF MAJOR GENERAL

Army Engineer, Who Since 1940 Has
Been Panama Canal Zone Governor,
Also Has Son in Army

Glen E. Edgerton, M. E. '04, since July, 1940, governor of the Panama Canal Zone, has been promoted to the rank of major general, according to word received here.

Nomination of the Kansas State graduate for that advancement by President Roosevelt, announced recently, has been confirmed, according to Mrs. J. E. Edgerton of Manhattan, his mother. He was given the rank of brigadier general shortly after he was made governor of the Canal zone.

During his army career Major General Edgerton has achieved recognition as one of the country's top ranking military engineers, working with engineering corps in Alaska, in the construction of the Panama Canal, in widening the Mississippi river, and on other major projects.

His mother recalls that he was only 17 when he was graduated from Kansas State and that he was not yet 21 when he finished at West Point Military Academy with the highest rating in his class.

Major General Edgerton's son, Bruce, was graduated from West Point in the spring of 1940 and recently has been taking special flight training.

Another grandson of Mr. and Mrs. J. E. Edgerton, William H. Brooks III, until recently a student at California Agricultural college at Davis, has enlisted in the U. S. Army and now is with General Douglas MacArthur in Australia. His father, William H. Brooks II, who is a county agent in California, and his mother, the former Ruth Edgerton, are graduates of Kansas State, Mr. Brooks taking a degree in agriculture in 1920, and Mrs. Edgerton one in home economics in 1912. Their home is in Colusa, Calif.

The Brooks also have a daughter, Barbara, a former student here.

CAMPUS SPEAKER STRESSES FOOD IN SURVEY OF EUROPE

Roland Elliott Discusses Continental
Reconstruction at Student Forum

"Food," "resistance" and "reconstruction" were three words named by Roland Elliott, executive secretary of the National Council Student Christian association, that "we in America must understand before we can talk about European reconstruction."

Speaking at a student forum meeting in Recreation Center last week, Elliott explained that food is the capital question in Europe today. The high mortality rate of students and the decline in the birthrate in European countries, he said, can be traced to the lack of food.

In explaining reconstruction, Elliott said it was not yet necessary to draw up blueprints of new governments. Universities in captive countries are still carrying on their work, some giving consideration to reconstruction following the war.

Speaks at Hutchinson

Vice-President S. A. Nock was the featured speaker of the annual meeting of the Kansas Modern Language association in Hutchinson Saturday. Dr. Fritz Moore, head, and Donald F. Munro, associate professor of the Department of Modern Languages also attended the meeting.

KANSAS FARMERS "JUMP GUN" AGAIN IN PREMATURE BURNING OF PASTURES

College Specialist Warns that Rushing
Season Probably Will Do More
Harm than Good

Smoke and rosy "glows" which may be seen these March evenings indicate that Kansas farmers are "jumping the gun" again this spring.

Pasture burning, unlike most of the farming operations, should be put off as long as possible, "even until after the middle of April if possible," according to Kling L. Anderson, pasture management specialist at Kansas State College.

The assumption that the earlier a pasture is burned the quicker the grass will begin to grow is correct, but it does not hasten growth as much as most people believe, Anderson said. The new grass merely shows up better against a black background than when partially hidden in old grass. Actually, the total growth of the earlier burned pastures is considerably less than for the late burned pastures or those that are not burned at all.

Increased runoff and increased evaporation caused by an insufficiency of grass cover are two important factors in the decreased total growth of grass. Moreover, the rapid early growth of the grass on burned areas uses more moisture than grass that grows more slowly.

The principal reason for burning pastures is to assure more uniform grazing during the season. There are many pastures burned just by "force of habit," which in reality would afford more grazing if left unburned. There is no set rule for burning pastures, Anderson said, but each man should study his own situation, and not burn the pasture just because his neighbor does.

HAMILTON EXTEMPORIZERS WIN FIRST IN INTERSOCIETY SPEECH TOURNAMENT

Charles Halbower and Wilbur Davis
High Individuals—Ionian Literary
Group Is Second

Speeches on the effect of the war on students' clothing and women in defense industries by Charles Halbower, Anthony, and Wilbur Davis, Belleville, won for the Hamilton Literary society first recognition in the first Intersociety Extemporaneous Speech contest Friday night in Recreation Center.

Halbower and Davis were given first and second respectively in the individual ratings. Ionian won second place in rating the four campus literary societies. The Ionian representatives were Betty Lee Piper, Salina, whose subject was the war and the home economics student; and Peggy Pearce, Manhattan, who talked on the effects of war on marriage.

The technique of going to college while waiting to be drafted and the effect of the war on students' clothing were the subjects of speeches by the Browning representatives, Ema Lou Bireline, Lewis, and Louise Schlicher, Hoxie.

The Athenian speakers, Robert Singleton, Kansas City, and Clarence Schmitz, Alma, told how boys that return to college will fit into the college picture and discussed the demand for technical students in the war industries.

The eight speakers met with Norman Webster, instructor in the Department of Public Speaking, Friday morning to draw their specific subjects under the general topic, "The College Student and the Present War." Memorized speeches and notes were against the rules.

Judges of the contest, replacing the former oratorical contest sponsored each year by the Intersociety council, were Miss Myra Scott, assistant professor in the Department of English; Miss Margaret Raffington, assistant professor in the Department of Child Welfare and Euthenics; and the Rev. B. A. Rogers, director of Wesley Foundation. Marjorie Force, Wheaton, presided. Dorothy Wilson, Lawrence, played a piano solo preceding the speeches.

EVERYDAY ECONOMICS

By W. E. GRIMES

"True profits are the result of maladjustments in our economic system."

True profits are the result of maladjustments in our economic system. If everything were definitely understood and competition were perfect, each laborer would be paid the full value of the product he produced, land would receive the share of income that it actually caused, and the provider of capital goods would get the share to which he was entitled for waiting. In other words, every cause of production would get the share of the product that it was responsible for producing and there would be nothing remaining. If nothing were left, there would be no true profit.

But, since present and future conditions cannot be perfectly known, maladjustments arise and one or more of the causes of production—land, labor, and capital—may be paid more or less than it actually produces in the production process. Because of this discrepancy between the actual payments and the ultimate production, profits and losses arise.

These maladjustments resulting from incomplete knowledge probably cannot be eliminated. At least the future cannot be known with accuracy. As long as this is true, profits will tend to arise and losses will tend to occur.

KANSAS STATE TRACKMEN TAKE FIVE PLACES IN TEXAS RELAYS

WILDCAT TWO-MILE RELAY TEAM
FINISHES SECOND

College Gridsters Look to Three Practice Games—Baseball Nine Will Play University of Kansas April 8

The Kansas State trackmen finished a heavy week-end at the Texas Relays in Austin, Texas, Saturday when they captured five places in events at the meet.

The two-mile relay team made the best showing of any of the Wildcat representatives with a second place in its event. Dick Peters, senior from Valley Falls, and Cecil Siebert, Pretty Prairie, sophomore, captured third-place honors in the discus throw and the 3,000-meter run; and the mile-relay and sprint-medley teams were fourth-place finishers.

DARDEN WINS IN HURDLES

Thursday afternoon the Wildcat cindersmen were given a 77-54 trouncing by the University of Oklahoma Sooners on the track at Norman. The K-Staters lost eight of the nine running events, then came back to take four of the six field events.

Ed Darden, junior hurdler from Manhattan, made the only K-State first in the track events with an easy win in the high hurdles. Dick Peters tossed the discus 146 feet, 1 inch, to win the only first in the field contest.

On the football front, Coach Hobbs Adams, K-State's head football mentor, has divided the Wildcat gridsters into two groups and has announced that he is planning three full-length football games between the groups in the near future.

CO-CAPTAINS NAMED

The two groups are being designated as the "Whites" and the "Purples."

Co-captains of the "White" team will be Jim Watkins, end from Manhattan, and Earl Hunter, husky tackle from Iola. Leaders of the "Purple" team will be Lawrence Duncan, junior tackle from Lucas, and Oscar Erickson, Neodesha, blocking back.

Baseball practice was further hampered Saturday when a practice game between two squads of Wildcat diamond tyros was postponed for the fourth time because of high winds. The Wildcats will play their first game of the season against the University of Kansas on April 8.

STUDENT COUNCIL SUSPENDS SOCIAL PRIVILEGES OF TWO

Finds Lawrence Spear and Donald Moss
Guilty of Abducting Columnist

Lawrence Spear, Mission, and Donald Moss, Miltonvale, president and corresponding secretary of the Student Council, were found guilty of abducting Milt Dean Hill, Kansas City, Kansas State Collegian columnist, by the Student Council last week.

In considering the first disciplinary case of its kind to appear before it, the Student Council suspended the social privileges of the two for a month beginning last Thursday. Punishment also included a reprimand by President F. D. Farrell. The Student Council decision was approved by the Faculty Council and President Farrell.

Hill, in a brief to the Council, charged that he had been abducted March 14 and named Spear and Moss as leaders of the group which kidnapped him. He told of being awakened early in the morning, being taken out in the country by 40 engineers and tried and convicted on statements that appeared in his column, "Once Over Tritely."

The column criticized the quality of the orchestra selected to play at St. Pat's Prom as being below the standard students had been led to expect.

Both sides agreed as to the charges but not as to the extremes to which the hazing was carried.

In announcing the Council's decision, Ray Rokey, Sabetha, vice-president, said that no action was taken by the Council to prevent hazing in the future but that the Council planned to take up the matter in a meeting this week.

The rules of conduct as published in the catalogue of 1866-'67 contained 14 different paragraphs. Pres. John A. Anderson boiled them down to one: Behave or leave.

THE KANSAS INDUSTRIALIST

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Number 25

PRINCIPAL INSTRUCTIONAL UNITS WILL BECOME 'SCHOOLS' IN JULY

CHANGE OF NAMES INDICATES NO
SHIFT OF POLICY

Board of Regents Approves College's
Request—Present Non-Conform-
ing Nomenclature Results
in Confusion

President F. D. Farrell has announced that the names of the major instructional units at Kansas State College will be changed from "divisions" to "schools," effective July 1.

By order of the state Board of Regents, and at the recommendation of the College, the Division of Agriculture at Kansas State will become the School of Agriculture, the Division of Engineering and Architecture the School of Engineering and Architecture, the Division of Home Economics the School of Home Economics, the Division of Veterinary Medicine the School of Veterinary Medicine, and the Division of Graduate Study the School of Graduate Study.

NO POLICY CHANGE

The name of the Division of General Science will be changed to the School of Arts and Sciences. The name of the College Extension Service will remain Division of Extension.

The changed nomenclature, which President Farrell said "in no way implies any changes in policy or procedure," is in line with developments at many other land-grant colleges that are not combined with state universities and at many state universities, and some private colleges and universities.

The decision came largely as a result of confusion which the present names caused in associations with other colleges and universities. In educational institutions, the term "division" no longer has any standard meaning, some schools even using it to designate units within departments. Thus a reference to "divisions" at Kansas State was meaningless to most persons.

ADOPT NAMES IN 1912

The name of the Division of General Science also will be changed to the School of Arts and Sciences in order to make its designation more meaningful. Since the instructional unit was officially created in 1912, the term "general science" has come to refer to a general course in the sciences, or in a generic sense to a study of science in general.

The Board of Regents in 1912 created the four Divisions of Agriculture, General Science, Mechanic Arts and Home Economics. Before that year, the major instructional units had no official designation, although they previously had been referred to as divisions. Later in the same year the department of extension was given the status of a division.

In 1919, the Department of Veterinary Medicine was separated from the Division of Agriculture and made a division. The Division of Graduate Study was created in 1931. The Division of Mechanic Arts became the Division of Engineering about 1918 and in 1938 became the Division of Engineering and Architecture.

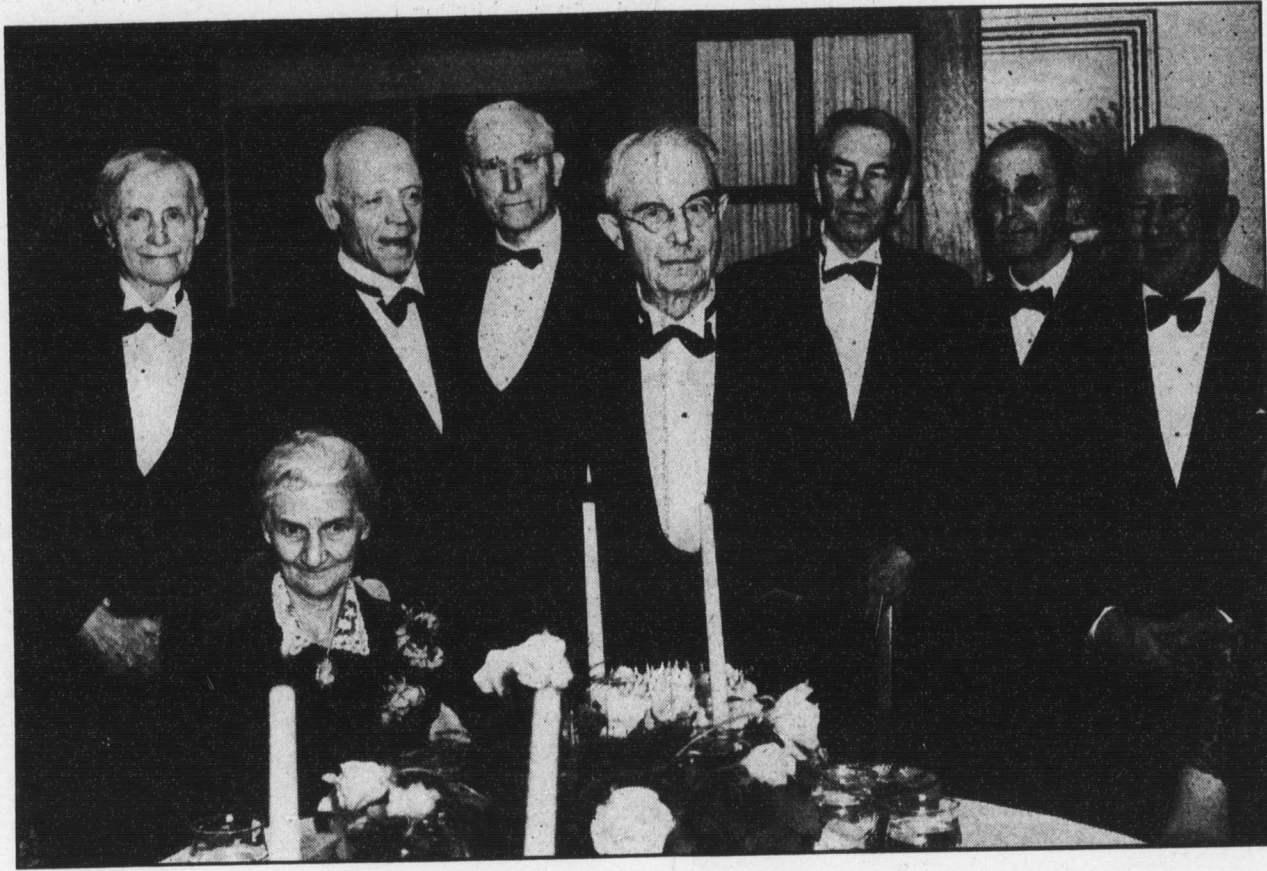
STATE FROZEN FOOD LOCKER OPERATORS HERE THIS WEEK

Committee of National Organization
on Campus Thursday, Friday

The executive committee of the National Frozen Food Locker association will meet on the College campus this week in connection with the annual meeting of the Kansas association of the industry. Approximately 200 persons are expected for the sessions Thursday and Friday.

Prof. D. L. Mackintosh of the Department of Animal Husbandry is chairman of the committee which planned the program of the Kansas Frozen Food Locker association. He has been assisted by members of the animal husbandry, horticulture, agricultural economics and food economics and nutrition departments.

80 Candles for Doctor Willard



It took more than one blast to puff out the 80 candles on his birthday cake, but Dr. J. T. Willard, College historian, made no false moves when he cut the cake. Shown with Doctor Willard, center, at a dinner given in his honor by President and Mrs. Farrell are, left to right standing, Dr. C. O. Swanson, Dr. R. J. Barnett, Prof. R. R. Price, Dr. B. L. Remick, Prof. G. A. Dean, and Dr. H. H. King, and, seated at left, Mrs. Willard.

KANSAS STATE'S DOCTOR WILLARD—SCIENTIST, EDUCATOR, HISTORIAN, PHILOSOPHER—OBSERVES EIGHTIETH BIRTHDAY

"Don't shut up your jackknife . . . Try to see yourself as others see you . . . Don't be afraid to hire some one better than you are."

With those injunctions, Dr. J. T. Willard looked back briefly last Thursday on 80 years of a full and active life. He spoke to fellow members of the Manhattan Rotary club gathered at a luncheon to help him celebrate his eightieth birthday and honor him for his 58 years of service to Kansas and its state college.

Doctor Willard made one other concession to the occasion. He was guest of honor at a supper Thursday night given by President and Mrs. Farrell at their campus home. Present to watch Doctor Willard cut a birthday cake boasting a full 80 candles were faculty members who have served the College since the beginning of the Henry Jackson Waters administration, July 1, 1909. Their wives also were guests.

Born April 9, 1862, near Wabaunsee, and raised a few miles south of Wamego, Doctor Willard entered "Kansas State Agricultural College" as a student in 1879 and was graduated bachelor of science in 1883. He has been connected officially with the

College ever since, serving as assistant, assistant professor, professor and dean.

He was vice president of the College for more than 10 years, director of the Agricultural Experiment Station, and twice acting president for two-month periods.

Now College historian and the author of a 568-page history of Kansas' oldest state college, published in 1940, he is employed only half-time. But that fact doesn't keep him from spending more than half days in his office in Anderson hall.

Being an octogenarian doesn't interest Doctor Willard much. He's going to go right on working "at least half time" in the office, working out in his yard a while every day, splitting wood, reading, studying and eating as he pleases. Well, at least, he's going to eat "what" he pleases. "Of course," he says deprecatingly, "I'm cutting down a little on the amount I eat."

Old timers who helped President and Mrs. Farrell honor Doctor Willard and the year they joined the College faculty are as follows: Dr. C. O. Swanson, head of the Department of Milling Industry, 1906; Prof. R. R.

Price, head of the Department of History and Government, 1903; Prof. R. J. Barnett, head of the Department of Horticulture, 1907; Dr. B. L. Remick, head of the Department of Mathematics, 1900.

Prof. M. F. Ahearn, head of the Department of Physical Education and director of athletics, 1904; Dr. H. H. King, head of the Department of Chemistry, 1906; Prof. Ina Cowles of the Department of Clothing and Textiles, 1902; Prof. G. A. Dean, head of the Department of Entomology, 1902; Dr. L. D. Bushnell, head of the Department of Bacteriology, 1908.

Prof. L. E. Conrad, acting dean of the Division of Engineering and Architecture, 1908; Miss Alice Melton, assistant to the dean of the Division of General Science, 1900; Prof. Ada Rice of the Department of English, 1899; and L. E. Call, dean of the Division of Agriculture, 1907.

R. A. Seaton, regular engineering dean who is on leave, and Mrs. Seaton, and Mrs. Mary P. Van Zile, dean of women emeritus, who belong in the group, were not present. Dean Seaton has been on the College faculty since 1904, Dean Van Zile since 1908.

ZAHNLEY ADVISES FARMERS TO HOLD SOYBEAN PLANTING

Says Haste Will Not Result in Earlier
Maturity or Heavier Yields

Early planting of soybeans does not result in early maturity of the crop or increased yields, J. W. Zahnley, agronomist at the Kansas Agricultural Experiment Station, said today in recommending that farmers not be too "hasty" in planting the crop.

"Soybeans planted as late as June 1 will usually mature almost as soon as those planted during the first week in May," Zahnley said, adding that "the late planted beans will yield just as much as those planted early."

"It is recommended that soybeans not be planted until after the middle of May," the agronomist said. The crop may be planted immediately after corn planting, he added.

To Chicago Meeting

Prof. C. Peairs Wilson of the Department of Economics and Sociology left Thursday for a meeting of the Corn Belt Livestock Marketing committee, of which he is a member, in Chicago.

To Peace Talk Contest

Robert Barofsky, Ellsworth, freshman in the Division of General Science, will represent Kansas State College in the Kansas State Peace Oratorical contest in Lawrence April 24.

R. C. Hill to Wichita

Dr. Randall C. Hill of the Department of Economics and Sociology attended the 43rd Annual Kansas Conference of Social Work in Wichita last week.

SOCIAL CLUB CHOOSES NEW OFFICERS FOR COMING YEAR

Group Elects Mrs. Farrell, Dean Moore,
Mrs. Herrick, Mrs. Smits

Officers of the Kansas State College Social club, elected Monday for the coming year, include Mrs. F. D. Farrell, president; Dean Helen Moore, vice president; Mrs. E. H. Herrick, secretary-treasurer; and Mrs. B. L. Smits, editor of the yearbook.

Responsible for the 1942-43 activities of the club, which is composed of women faculty members and faculty wives, will be these newly elected committee members: Mrs. William Lundquist, Mrs. H. W. Davis, and Miss Dorothy Pettis, program; Mrs. A. B. Sageser and Mrs. G. A. Flinger, social; and Mrs. H. N. Barham and Mrs. L. R. Quinlan, refreshments.

To Convention in Boston

Dr. Beulah D. Westerman, assistant professor in the Department of Foods Economics and Nutrition, recently attended a five-day convention of the Institute of Nutrition and the Biochemical society in Boston, Mass.

OMICRON NU LEADS ALL-CAMPUS FALL-TERM SCHOLARSHIP ROSTER

HOME ECONOMICS ORGANIZATION
AVERAGES 2.397

Phi Alpha Mu Is Second, Mortar Board
Third; Alpha Gamma Rho Heads
Fraternities, Chi Omega
Tops Sororities

Omicron Nu, honorary home economics organization, had the highest scholarship of all organizations at Kansas State College during the first semester of the 1941-1942 academic year, according to an announcement made today by Miss Jessie McDowell Machir, registrar. Their scholarship average was 2.397. Second in the entire list was Phi Alpha Mu, honorary general science organization, with an average of 2.328. Mortar Board, honorary senior women's organization, was third with an average of 2.314.

Chi Omega led the list of sorority scholarship ratings with an average of 1.860. Alpha Gamma Rho fraternity ranked first in the men's social organizations with an average of 1.723.

NO SORORITIES UNDER 1

The list of social organizations and their grade averages: Sororities—Chi Omega, 1.860; Pi Beta Phi, 1.531; Clovia, 1.521; Kappa Kappa Gamma, 1.520; Delta Delta Delta, 1.374; Alpha Xi Delta, 1.354; Alpha Delta Pi, 1.309; Kappa Delta, 1.212; Zeta Tau Alpha, 1.078.

Fraternities—Alpha Gamma Rho, 1.723; Farm House, 1.662; Delta Sigma Phi, 1.357; Beta Theta Pi, 1.243; Delta Tau Delta, 1.234; Alpha Tau Omega, 1.203; Sigma Phi Epsilon, 1.178; Sigma Alpha Epsilon, 1.109; Alpha Kappa Lambda, 1.097; Acacia, 1.077; Theta Xi, 1.071; Tau Kappa Epsilon, .933; Kappa sigma, .919; Sigma Nu, .915; Phi Kappa, .848; Pi Kappa Alpha, .649; Phi Delta Theta, .517.

ALPHA ZETA FOURTH

The list of other organizations according to their rank:

Omicron Nu, 2.397; Phi Alpha Mu, 2.328; Mortar Board, 2.314; Alpha Zeta, 2.226; Dynamis, 2.206; Athenian, 2.070; Quill Club, 2.068; Blue Key, 1.980; Theta Sigma Phi, 1.917; Pi Mu Epsilon, 1.828; Sigma Tau, 1.794; Ionian, 1.788; Alpha Mu, 1.776; Klot and Kernel, 1.773; Phi Lambda Upsilon, 1.740; Pi Kappa Delta, 1.671; Phi Epsilon Kappa, 1.614; Alpha Kappa Psi, 1.575; KSC Dairy Club, 1.556; Browning, 1.549; Mortar and Ball, 1.515; Sigma Delta Chi, 1.453.

Block and Bridle, 1.449; K Fraternity, 1.390; American Society of Mechanical Engineers, 1.380; Mu Phi Epsilon, 1.341; American Road Builders Association, 1.311; American Society of Agricultural Engineers, 1.292; American Institute of Chemical Engineers, 1.279; American Institute of Electrical Engineers, 1.268; Hamilton, 1.251; American Society of Civil Engineers, 1.210; Scabbard and Blade, 1.063.

ANNUAL CAMPUS ELECTION HOLDS STUDENT INTEREST

To Polls Today to Choose Council and
Publications Board Members

Kansas State College students are crowding to election polls today to cast ballots for their respective divisional representatives on next year's Student Council and Board of Student Publications.

Three parties, Greek, Independent and Victory—the latter a newly formed coalition group—are represented on the ballots. The new Victory party has a "non-partisan" platform which includes a revolt against "pressure groups within or outside the student council," simplified system of enrolment and establishment of a memorial for members of the student body called into the country's service.

Two candidates for offices were declared ineligible by the Student Council last week because of grade deficiencies at the nine-weeks.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKERY, Editor
CHARLES M. PLATT, JANE ROCKWELL, PAUL L. DITTMORE, ALBERT HORLINGS, Associate Editors
KENNEDY FORD, Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

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WEDNESDAY, APRIL 15, 1942

CONTROL OF THE COST OF LIVING

In comparison with the governments of Great Britain and Canada our own government is procrastinating in the control of the cost of living. Vigorous and wise control is necessary in war time if ruinous inflation and the consequent suffering are to be averted. In the first year of our participation in the first World War, the cost of living in the United States rose so rapidly and so far that extreme hardship was suffered by millions of people. The same process has begun again, as consumers are learning to their sorrow.

Although Great Britain is much more subject to acute shortages of consumer goods than we are the British government has been able to control the cost of living with impressive effectiveness. In the first 30 months of the present war living costs rose only 29 per cent in the British Isles. Prices of clothing rose highest, 92 per cent including the sales tax. The cost of food rose 18 per cent; fuel and light, 26 per cent; rents, only 1 per cent. A special effort is now being made to bring down the cost of clothing. Comparable results have been obtained in Canada.

In both Britain and Canada two major mechanisms are used to keep prices within reasonable bounds. One is rationing and the other is price ceilings. Each is necessary to the effective operation of the other. Additional controls include high taxes, enforced saving (in Great Britain) and campaigns to encourage the purchase of war bonds. These controls operate by restricting consumers' purchasing power.

Current developments in our own country, together with our experience in the first World War and the experience of Britain and Canada in this one, suggest the urgent necessity that our own government speed up its efforts to control the cost of living here. Unless these efforts are made more vigorous and comprehensive, and that speedily, we are more than likely to be confronted in the not distant future with another painful example of "too little and too late."

CAFFEINE—UNIVERSAL STIMULANT

The importance of caffeine is perhaps measured by the fact that all of the popular nonalcoholic drinks, coffee, tea, cola drinks and yerba mate (drunk by millions of South Americans) contain varying amounts of this drug. It is probably the most universal stimulant.

Unknown to most Americans, yerba mate has a sophisticated flavor combining some of the properties of tea and coffee with a distinctive touch of its own, and is slowly adding new territory to its kingdom.

In tea the chemical was first called theine, which has since been found identical with caffeine. Primitive tribes get caffeine from other sources as well. The Bushmen of South Africa use cyclopia leaves, and the Amazon Indians make a paste called "guarana" from the roasted seeds of a local plant, which is also used to flavor a drink popular in Brazil. The Sudanese Negroes use the cola nut.

A comparison of the caffeine content of various drinks shows that while the average drug dosage of caffeine, or its compounds, is two and one-half grains, the average per cup

of coffee, although varying with the methods of roasting and brewing, is usually about two grains. The commercial carbonated beverages of the kola or cola class average one-half to three-fourths grain.

Tea usually contains about twice as much caffeine as coffee, and commercial manufacture of caffeine drugs is from the dust and sweepings of tea leaves. Yerba mate is between coffee and tea in its caffeine content.—Dean Freiday in Natural History.

APPLIED MICRO-PHOTOGRAPHY

Librarians all the world over—but especially in the great libraries, such as those of Congress, the British Museum, Harvard and Yale, Oxford and Cambridge—will feel their emotions deeply stirred by the news that the Times of London is to make a complete film record of all its issues from the late eighteenth century to the present day by means of micro-photography, thus compressing what the poet calls infinite riches into a very little room indeed.

Reading, according to Bacon, makes a full man, and publishing certainly makes libraries full to overflowing. More space, more space, is the librarian's continuing cry. Even at a cost of a million pounds sterling the Bodleian has been able to assure sufficiency of lodgment for barely another couple of centuries. Yet micro-photography is such that the entire Bible could be printed 22 times over on a space of one square inch.

Eventually all newspapers worth preserving will be filed away on tiny spools of film. Several in America are doing this now. Newsprint, alas, quickly crumbles and soon it is at a premium.

The great libraries like to preserve everything that gets into print, no matter how worthless it may appear to be, for students of the future may find it suggestive and helpful. The possibility that books which are preserved only for this reason might also be kept in the form of a micro-photographic copy is well worthy of consideration.—Editorial Comment in the Christian Science Monitor.

HONEY PINCH HITS FOR SUGAR

With rationing of sugar, honey assumes an increasingly important place in the daily diet. Whether we eat it directly as a substitute for table sugar, or unconsciously in a prepared food, we'll probably be using a good deal more honey.

Honey can't be substituted for sugar in recipes, ounce for ounce, because of the difference in consistency and sweetening properties. However, home economists are working out new recipes—in addition to the many now in existence—to utilize honey for sweetening.

Only about half of the honey crop in this country goes to the table as honey. The other half is used in less obvious ways. Many food industries depend on honey.

High among the honey-users are the bakers who incorporate it in bread, rolls, cookies, and many specialties, using in all about a third of the honey crop each year. One of the newer ideas which has enlarged the outlet for this product is combining honey with breakfast cereals, for sweetening and flavoring.

Millions of candy bars contain honey; it sweetens and flavors ice creams; soft drink manufacturers are now interested in honey possibilities. One of the newest outlets is the beauty parlor where it has been used for rejuvenating jaded complexions. Honey also is used for curing meats, curing pipes, processing tobacco, as an ingredient of cough and cold remedies, and in various hand lotions and face creams.—United States Department of Agriculture Bulletin.

THE CRYING NEED

Intelligence and knowledge are not enough, nor will laws solve our problems.

You can't legislate goodness or enthusiasm for good government.

What we need are more of the type of men I have been speaking about—men who acknowledge and who are paying a debt of gratitude to the country which provides them with homes and the privileges of citizenship.

Men whose hands are outstretched to give and not to grab, and who are willing to make any sacrifices necessary to the maintenance of our democratic form of government.—Mark Matthews, president of the United States Junior Chamber of Commerce,

at National Conference on Government, Springfield, Mass.

TWO TYPES OF TWINS

There are two types of twins—fraternal and identical. Fraternal twins are about 50 per cent alike in physical characteristics and develop from two different ova that are fertilized at the same time. Identical twins are more than 90 per cent alike, developing from a single fertilized ovum which divides and produces two human beings.—From the Pathfinder.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

President F. D. Farrell attended a meeting of the State Board of Education in Topeka.

Dean Harry Umberger and L. C. Williams, both of the Extension Division, attended the annual extension conference in Ames, Iowa. Dean Umberger spoke on "What is Ahead in Extension" and "Conducting Extension Work."

Dr. W. H. Metzger, '27, accepted the position as professor of soils in the Department of Agronomy, taking the place of Dr. M. C. Sewell, who accepted a position as national secretary for Sigma Nu fraternity with headquarters at Indianapolis, Ind.

TWENTY YEARS AGO

Joseph S. Montgomery, '08, was general manager of the Central Cooperative Commission association, South St. Paul.

John B. Griffing, '04, was head of the Department of Cotton Improvement at the University of Nanking, Nanking, China.

Mabel L. Root, '17, was dietitian for the St. Joseph hospital, Kansas City, Mo. Before going to Kansas City Miss Root was instructor in home economics at Huntington college, Huntington, Ind.

SCIENCE TODAY

RALPH E. SILKER

Instructor, Department of Chemistry

All have gained some idea of the terms "restrictions" and "priorities." We can plainly understand the need for a metal, such as aluminum, since it is required for constructional purposes and we recognize the necessity of increasing our supply of ethyl alcohol because it is needed for the production of smokeless powder. We may ask, however, what the explanation is when we learn that some seemingly unimportant chemical is either almost unattainable or else is the object of some intensive research. Tartaric acid is an example of the latter type which is receiving the attention of chemists in our government laboratories.

In looking for an answer to our question, we first realize that the greater part of the source material for this substance has been furnished by the European wineries. Argol, an impure form of cream of tartar, is a by-product of the wine industry and furnishes most of this acid. Thus, we can understand the reason for a rapid advance in price and realize something will have to be done if this compound is to be available.

The next question which comes to mind concerns the reason for wanting it. We have heard that certain baking powders contain "tartrates," but we also know that some other mixtures will serve the same purpose. So there must be another explanation. Further examination reveals a multiplicity of uses which are necessary for our well being. Tartaric acid is found to be an ingredient of certain foods—some bakery goods, desserts, jellies, and candies may be cited as specific examples. It is more important to learn that it is a component of some building tile, cement, plaster finish, and heat insulating material. Other uses which explain its need in time of war, especially, should suggest its inclusion in certain germicides, fire extinguishers, dry batteries, dyes, and compounds for cleaning and polishing the all-important aluminum. The pure compound may be used as a reagent in certain analytical processes involving control and research work, the flotation of ores, and in the purification of sugar and molasses.

Tartaric acid is a process material in making an even greater number of required materials. Cellulose, cel-

THIRTY YEARS AGO
Miss Reva Cree, '10, was teaching at Hartford.

Before teaching in the new agricultural high school, Los Angeles, Calif., Minnie Reed, '86, spent six months in Berlin, Germany, studying at the University of Berlin.

FORTY YEARS AGO

Miss Minnie Cowell, '88, planned to leave by the end of April for her home, Steyning, Sussex, England.

President Nichols and Professors Mayo and Dickens were at the Fort Hays Experiment Station to make preliminary surveys for the work to be done there during the summer.

At the graduating exercises at the Chicago Veterinary college Dr. E. C. Joss, '96, received a medal for showing the greatest proficiency in his studies. Doctor Joss finished his three-year course in two years. He planned to open an office in Fairview.

FIFTY YEARS AGO

Assistant Horticulturist Mason visited Montgomery county for a study of the forest growth and the collection of specimens.

The Hon. John A. Anderson, former President of the College, planned to leave Cairo, Egypt, for the United States the last of April.

Professor Walters spoke before the Kansas Central Union Teachers' association at Emporia on the subject, "Manual Training at the Kansas State Agricultural College."

SIXTY YEARS AGO

Mrs. Cripps, assisted by her class in household economy, entertained the Board of Regents at a dinner.

President E. B. Fairchild of the Nebraska State university accepted the invitation to deliver the annual Commencement address.

During the school year 309 men and women students enrolled for work in the College, a gain of 42 students over the previous year.

KANSAS POETRY

Robert Conover, Editor

PRAIRIE POET

By Isabelle Bryans Longfellow

The bleak March prairie is upon his face,
Its lonely pattern bare and slow and chill,
His deep-set eyes measureless as its space,
His voice the lean wind sighing at the sill.

His words are spare; they are a thin, stark tree
Etched faintly on the sky, bursting to bloom
With pastel loveliness none could foresee,
Like redbud magic out of the winter gloom.

Isabelle Bryans Longfellow of Wichita is a graduate of the University of Denver and taught speech there following her graduation. Her poems have appeared in numerous magazines and newspapers, including The New York Times, Saturday Evening Post, Ave Maria, Pictorial Review, Christian Science Monitor, Ladies Home Journal, Good Housekeeping, and many others.

SUNFLOWERS

By H. W. Davis

WORD OF CHEER

In the heavily lined face of harried articles predicting sudden, sweeping changes in the war economy just ahead I wish to lay a modest wager that it won't be bad at all.

We shall go on as we have gone since December 7, 1941, slowly and gradually adjusting ourselves to what has to be—in the age-old, classical manner of the human brute.

We shall gradually cease from playing with the innumerable gadgets of a gadget age. We shall gradually pay more taxes than we have ever dreamed of paying. But only a few of us will go into convulsions as luxuries vanish altogether, conveniences become luxuries, and necessities become conveniences. Most of us will be unconscious of the little difference it makes.

I grow tired reading the ravings of newly appointed heads of commissions and committees whose maiden addresses to jittery constituents consist of doleful admonitions about deprivations lurking just around the corner—no more tires, fewer razor blades, fewer tin cans, no more refrigerators, fewer paper clips, no more adding machines, no more suspenders, no more thumb tacks.

You can add a hundred gadgets to these if you care to take the time. But you won't influence me to go out and hedge on my wager that the disinheritor will not make us hurt much. I still betcha we shall trudge along on foot, utterly forgetting that the old scraper pulled a little this morning, or that the peach marmalade came out of a glass container, or that we are shamelessly parading around in public in a one-pants suit.

Human nature has the best shock-absorbing gear yet devised, despite all the wizardry of all the best automotive engineers. The populace of London glided smoothly out of weeks and weeks of incessant bombings. Life went on during the strafing and life has gone on since. London music halls, theatres, and picture houses today enjoy brisk patronage, even though bread and meat and cigarettes are rare and the government takes one-half the mazuma from the old pay envelope.

Human nature somehow has a trick of jumping the gun on misery and deprivation. Most of us get along pretty well on what we have, even when we have nothing. The prospect of suffering hurts, not the suffering. If the newly appointed heads of things in Washington will skip their maiden addresses, we shall not hurt half so much.

Of course it is awful to have to think of going without paper clips and thumb tacks; but as soon as thinking about it is finished and the actuality sets in, we forget it altogether!

True education makes for inequality: the inequality of individuality, the inequality of success; the glorious inequality of talent, of genius; for inequality, not mediocrity, individual superiority, not standardization, is the measure of the progress of the world.—Felix E. Schelling.

AMONG THE ALUMNI

C. C. Cunningham, Agron. '03, and Myrtle (Johnson) Cunningham, B. S. '20, recently made headlines in the Kansas City Weekly Star with a report of the herb garden which is their hobby on their Trinoka Farm near El Dorado, Kan. "In the garden are grown nearly forty varieties of herbs which come to the Cunningham dining table in the form of herb-flavored stews and soups, spiced vinegars, salads, and herb jelly molds.

"Besides introducing herbs in her culinary productions, Mrs. Cunningham tucks them into nosegays. She makes scent bags as gifts for friends and turns out all kinds of pomanders from her store of herbs." She has also potted about a dozen varieties of her favorites because she prefers the fresh plants—thus it makes a delightful hobby summer and winter. It is during winter that she does her experimental cookery.

Albert D. Stoddard, E. E. '06, Prof. in Engrg. '16, has been elected to the board of directors of the Research Institute at the University of Oklahoma, a non-profit organization to do industrial research for Oklahoma industry. He is vice-president and chief engineer of the Halliburton Oil Well Cementing company, Duncan, Okla.

Ray L. Graves, Ag. '12, sends in a change of address for THE INDUSTRIALIST from Mandan, N. D., to 518 West Thayer, Bismarck, N. D. He is working in the Soil Conservation Service. Mrs. Graves is the former Elinore McCulloch.

James R. Little, Ag. '15, and Marjorie (Crichton) Little, f. s., Denver, report that Mr. Little is district manager of the gold medal explosives division of the Illinois Powder Manufacturing company in the Denver district. His address is 321 Continental Oil building, Denver, Colo.

Lt.-Com. Raymond V. Adams, Ag. '16, has recently been stationed in the supply corps of the U. S. Navy, 13th Naval District, Seattle, Wash. He is disbursing officer of the 13th Naval District. His wife, Gladys (Grove) Adams, '17, remains at 1611 Laramie, Manhattan, as they have a son, Bill, a freshman at Kansas State this year. Another son, Raymond V., Jr., G. S. '41, has a graduate fellowship at the California Institute of Technology, Pasadena, doing research work. He has his appointment there for next year working toward his Ph. D. on research on cosmic rays.

Lt.-Col. J. B. Sweet, Ag. '17, sends in the change of address from Washington, D. C., to 3157 Guilford Road, Birmingham, Ala., for himself and his wife, Mary (Weible) Sweet, H. E. '17.

Lt.-Col. Arthur C. Ramsey, B. S. '20, and Marie (Gehr) Ramsey, H. E. '20, are at Ft. Leavenworth, Kan. Lt.-Col. Ramsey is in the Quartermaster Corps at the Fort.

James H. Gillispie, G. S. '22, and Madge (Price) Gillispie, f. s., are at 702 North Anthony, Anthony, Kan. Mr. Gillispie has a gasoline, oil, and implement company. He has been in business since 1931, was mayor from 1937 until 1940, and is county chairman of his political party.

Margaret (Reich) Brown, I. J. '23, writes that she and her husband, Clarence Brown, are at home at Apt. 304, 2718 Troost Avenue, Kansas City, Mo.

Alice (Carney) Kennedy, R. C. '24, and M. J. Kennedy, f. s. '26, have two children. They are Tommy, 13, and Rosemary, 11. The family lives at 205 Greenway Road, Salina, Kan., where Mr. Kennedy is a certified public accountant.

Cecil Cline Wilson, Ag. '24, and Ruby Thelma (Morgan) Wilson, f. s. '22, send in their address as 1624 Fortieth Street, Sacramento, Calif. Mr. Wilson is assistant entomologist with the United States bureau of entomology and plant quarantine in Sacramento.

Dr. Jesse A. Jones, D. V. M. '26, is owner of a dog and cat hospital in Los Angeles. He and Eva Anne (Blau) Jones have their residence at 148 North Twentieth Street, Montebello, Calif.

Una Morlan, H. E. '27, writes that her address has been changed to Veterans' Administration, Wadsworth,

Line Coach Takes Taste Test



Cakes, bread and jellies made with sugar substitutes—honey, molasses, or corn syrup—prepared by experimental cookery classes at Kansas State College, Manhattan, are approved by Bill Schutte, football line coach, in a preview of exhibits for Hospitality Days, annual home economics open house last weekend. Betty Ann Faubion, junior from Manhattan, watches the fate of syrup-sweetened cake, while Grace Branner, senior of Leoti, cuts the coach a slice of honey-sweetened bread.

Kan. She has been at the Veterans' hospital, Rutland Heights, Mass.

Vern D. Mills, E. E. '29, is engineer in the control room for National Broadcasting company, Chicago, Ill. Mr. and Mrs. Mills live at 521 South Cumberland Avenue, Park Ridge, Ill.

Capt. Ralph W. Freeman, F. M. E. '30, has recently been moved from Camp Davis, N. C., to be stationed at Ft. Kamehameha, T. H. Captain Freeman is on leave from his position with Hiram Walker and Sons, Peoria, Ill. Ruth (Tredway) Freeman, G. S. '32, is at present living with her parents in La Harpe, Kan.

Mary Aleta Peck, G. S. '31, writes that she is now employed at the Boeing Aircraft corporation in Wichita. Her address there is 340 North Market. She formerly taught at Herndon and Neal, Kan.

Mildred M. Rewerts, H. E. '32, is dietitian at Charity hospital, New Orleans, La. Her residence address is 538 Madison, New Orleans.

Capt. Henry W. Allard, I. J. '32, has sent a copy of his Regiment song at Ft. Benning, Ga. The lyrics for the song were written by Captain Allard and the music by warrant officer Wheeler W. Sidwell.

Marion W. Pearce, Ag. '33, and Doris (Hodson) Pearce are at Hays, Kan. Their children are David Douglas, 5, and Mary Ann, 2. Mr. Pearce is supervisor of livestock enterprises at Fort Hays State college. They live on the college farm.

Kenneth L. Nordstrom, Mill. Ind. '39, writes, "I am still associated with General Mills, Inc., and am now in capacity of a miller located at our Oklahoma City plant. I enjoy reading THE INDUSTRIALIST very much and would like you to forward my copies to 1308 N. W. 16th Street, Oklahoma City, Okla.

"Last December 14 I was married to Leeta Brown. We are now making our home at the above address and are indeed happy."

Orven H. Armstrong, E. E. '40, and Arline (Raynesford) Armstrong, H. E. '40, wrote to send their permanent address as 721 Browder Street, Dallas, Texas. Mr. Armstrong is on a seismograph crew for the Magnolia Petroleum company, and this requires them to move a great deal. She writes, "There are about a dozen men on the crew, most of them married, so we have a regular caravan when we move." At the time of the letter they were in Beeville, Texas, and scheduled to move again.

Ellen Peak, I. J. '41, has accepted a position at radio station KSAL, Salina. Miss Peak does radio broadcasting, writing, and publicity work. Her address in Salina is 115 North Ninth Street.

LOOKING AROUND

KENNEY L. FORD

Kansas State alumni near Memphis, Tenn., are planning a dinner meeting to be held at the Hotel DeVoy, Monday, April 20, at 6 p. m. The American Chemical society also is meeting in Memphis during that week. Dr. H. H. King, head of the chemistry department at Kansas State College, will speak at the alumni meeting.

Hail to the class of naughty-two. On May 23 I am looking for you. Meet on the campus of Kansas State.

Make your plans now, so you won't be late.

Remember the banner that floated so proudly atop the main flag staff above Anderson hall during Commencement Week in 1902?—The one with 1902 and a star of gold, neatly stitched in a field of blue? Well, that same banner will float from the flag staff again in the year 1942, when members of our class will don cap and gown and march with the boys and girls of today and mingle with the men and women masters and doctors in the academic procession.

Bring joy to your classmates and to yourself. Come and spend at least one day in renewing old friendships—and upholding the ideals and traditions of your Alma Mater, by your continued interest.

I will be looking for you.

Mame Alexander Boyd
(Mrs. Frank W. Boyd)

MARRIAGES

ULRICH—SKINNER

The marriage of Faye Ulrich to Ralph Murray Skinner, B. A. '41, took place in October, 1941. They now live at 3904 Elm Street, Apt. 6, Wichita, where Mr. Skinner is accountant at Cessna Airplane company.

WALKER—WATERSTRADT

Florence Harris Walker, H. E. '25, M. S. '29, writes that she and Bert E. Waterstradt were married on March 10, and are living on his farm near Detroit, Kan. She was formerly in extension work at Marshfield, Mo.

DALES—GARDNER

Eleanor Dales, H. E. '38, and Bertram W. Gardner, Jr., Ag. '41, were married December 26, 1941, at the home of Mrs. Gardner's aunt, Mrs. W. M. Janney, in Kansas City, Mo. Mr. Gardner is assistant in the animal husbandry department at the University of Illinois. They live at

704 West Illinois, Urbana.

KELLY—OTTO

Ora Frances Kelly became the bride of Harry Otto, B. A. '41, on March 15, 1942. They were married by the Rev. Charles E. Davies, rector of St. Paul's Episcopal church in Manhattan. Since April 1, they have been at home at 248 South Minnesota, Wichita. Mr. Otto is an instructor at the Swallow Airplane company.

FLORENCE—GROTEBECK

Wyona Myrtle Florence, I. J. '32, and Gerald Grotebeck of Glendale, Calif., were married in Las Vegas, Nev., February 28. Mrs. Grotebeck has been teaching for the last five years in a government school at Busby, Mont. Mr. Grotebeck is an instructor of tool design and airplane construction in the Curtiss-Wright Technical institute. The couple are at home at 1131 Norton Avenue, Glendale, Calif.

MORRIS—SOWDEN

Margery Morris, H. E. '40, and DeLore Sowden were married at Topeka, March 14. The bride was president of her sorority, Kappa Kappa Gamma, while in school. She took advanced work in dietetics and institutional management at the Women's Educational and Industrial union in Boston, Mass. She came to Arkansas City as food supervisor at the local NYA resident center. Mr. Sowden is a graduate of Northwestern university, where he was a member of the Phi Delta Theta fraternity. He has been taking an instructor's course at the Ponca City School of Aviation, and at San Antonio, Texas, where they are living at 1703 Broadway, Apt. 4.

SHOFFNER—KING

Maxine Shoffner, f. s. '37, and Richard F. King, Jr., Ag. '38, have written of their marriage October 12, 1941, in Salina, Kan. Mr. King writes, "Maxine, since attending school at Kansas State and Emporia Teachers, taught one year in Saline county and two years at the Walton city schools.

"Since graduation, I first served as county club agent in Crawford county and later as county agent in Allen county. Recently I have taken a job as fieldman with the Pet Milk company, with my headquarters at Iola. We serve the 15 counties in southeast Kansas. My work deals primarily with quality milk production. The plant operation here at Iola is just one of the 33 plants owned by the Pet Milk company. Our plant here is running over 3 1-2 million pounds of milk per month now with the peak expected in June or July." Their residence is at 321 1-2 South Washington, Iola.

RECENT HAPPENINGS ON THE HILL

New chairman of the Danforth Founder Fellow organization for next year is James Cunningham, El Dorado. Other officers are Elaine Rohrer, Abilene, secretary; Roger Murphy, Norton, treasurer; and Mary Ruth Vanskike, Arkansas City, corresponding secretary.

Miss Ella Johnson, assistant professor in the Department of Education, assisted John W. Studebaker, author, in writing "Some Principles of Consumer Education at the Secondary School Level," newly released bulletin of the United States Office of Education. Miss Johnson gave her assistance a year ago in Washington, D. C.

BIRTHS

Lloyd F. Moline, f. s., and Mary (Maxwell) Moline, H. E. '30, Randolph, have a daughter, Linda Lee, born March 29, at the Saint Mary hospital in Manhattan.

Vincent Kershaw, Ag. '18, and Ruth (Barkyomb) Kershaw, who farm at Garrison, Kan., have a daughter born March 18, at the Saint Mary hospital in Manhattan. They have named her Sandra Sue.

Lt. J. Dewey Axtell, Ag. '39, and Nelta (George) Axtell, H. E. '39, are parents of a son, Keith Elton, born in San Bernardino, Calif., March 10. The residence address of the Axtells is 3405 Eye Street, Sacramento.

Donald E. Charles, Ag. '39, and Jean (Kendig) Charles have a son, Michael Kamp, born March 16. They moved last year to a farm at Republic, Kan., from Wakeeney, where Mr. Charles has been with the Farm Security Administration.

Maurice L. Elder, P. E. '37, and Rosethel (Grimes) Elder, H. E. '38, have a son born on St. Patrick's Day, March 17. They named him Michael Lynn. Mrs. Elder is the daughter of Dr. and Mrs. W. E. Grimes, Manhattan. Mr. Elder is assistant football coach at Colorado State college. They now have two sons and live at Fort Collins, Colo.

Marian (Barnes) Gudgell, I. J. '40, and Frank W. Gudgell, f. s. '39, have a son, Frank Whaley Gudgell, born July 12, 1941. They live at 1018A Garfield Avenue, South Pasadena, Calif. The birth was reported by the baby's grandmother, Mrs. Jane (Wilson) Barnes, '12, instructor in household economics at Kansas State College.

DEATHS

HARFORD

Laura (Livings) Harford, f. s. '89, who taught school in Riley county and later was head of a business college here, died Wednesday, March 18, at Bellflower, Calif., of a heart ailment. Survivors include her husband, Lyman Harford, three sisters, and three nieces.

HOLMES

Beulah (Siddens) Holmes, H. E. '28, died at her home at 212 South Manhattan, March 31, of a heart attack. She had resided in Manhattan for the past 31 years, moving here when she was only five.

Survivors include her husband, Johnson A. Holmes, I. J. '30, one sister, and two brothers, Floyd Siddens of Manhattan, and Virgil Siddens, Arch. '36, of Minneapolis, Minn.

ADAMS

Elizabeth Adams, H. E. '19, died March 28 in a Topeka hospital after a short illness. She had lived in Maplehill her entire life and was a member of the Pi Beta Phi sorority, the American Legion Auxiliary, the Congregational church and the Eastern Star. Surviving are her mother, a sister, Emily, I. J. '25, and four brothers, Arthur, E. E. '12; Franklin, E. E. '09; Warner, Ag. '23; and Howard.

Students Hear Dodge

Walton Dodge of Lincoln, Neb., assistant regional director of the Farm Security Administration, talked to Kansas State College classes in Agricultural Finance and Soil Management Thursday.

3,300 WEEKEND VISITORS ATTEND PROGRAMS AT HOSPITALITY DAYS

STUDENTS OF 85 HIGH SCHOOLS SEE ATTRACTIONS

Wamego Rates Highest in Contests during Home Economics Open House—Ava Johnson Speaks at Assembly

Exhibits presented during the twelfth annual Hospitality Days last week-end were visited by more than 3,300 persons, according to Helen Stagg, Manhattan, registration chairman.

Attending from 85 Kansas high schools, as distant as the extreme northwest corner of the state, were 864 students and their teachers. Although the drop in total attendance from last year's 3,550 was only 250, the drop in out-of-town attendance was almost 600.

WAMEGO RATES HIGH

Individual honors in judging and written contests conducted for high school visitors were taken by Carol Shields, Wamego, and Ruth Esther Kimball, Seaman high, Topeka. Second and third place awards in the judging contest went to Mildred Weilert, Hays, and Mildred Henderson, Topeka. Bertha Reaner, Silver Lake, placed second in written contests and Alma Van Meter, Ada, placed third.

Wamego high school was rated highest among competing schools with a rating of 96.3 of a possible 119 points. Eighteen schools were represented in the contests.

The program for the two days included College and high school assemblies, teas and a luncheon given in honor of the high school visitors. The event ended with the annual Hospitality Hop Saturday night.

POINT TO SERVICE

Miss Ava Johnson, nutritionist from Des Moines, Iowa, was the principal speaker at the College assembly. She spoke on the topic, "The Future We Defend," expressing the opinion that after the present war is ended Americans will be sent abroad to work in European countries. Coordination of work systems and education will be the jobs, she stated. From her experience as nutritionist for the Bulgarian government, Miss Johnson described to the students the people they would meet if her prediction came true.

Demonstrations and exhibits expressing the theme, "United for Service," were open to the public Friday afternoon and Saturday. Exhibits were arranged to show how the home economist can serve herself, her community and her nation at the front lines at home. Marcile Norby, Cullison, was general chairman for Hospitality Days this year.

JEANNE JACCARD WILL PLAY LEAD IN 'ACCENT ON YOUTH'

Samson Raphaelson's Comedy Will Be Presented by Manhattan Theatre

Jeanne Jaccard of Manhattan, sophomore in industrial journalism, will play the feminine lead in "Accent on Youth," next production of the Manhattan Theatre. The male lead will be taken by Prof. Walter Roach, director.

"Accent on Youth" by Samson Raphaelson is a sophisticated modern comedy of upper strata society. Tentative dates for the performance in the College auditorium are April 24 and 25.

The rest of the cast will be Margaret Reissig, industrial journalism sophomore from Topeka, as Genevieve Lang; Donald Wood, agriculture sophomore from Trousedale, as Flaggell the butler; Joe Jagger, agriculture junior from Minneapolis, as Frank Galloway; Alfred Huttig, milling industry junior from Kansas City, as Dickie Reynolds.

Ann Ford, industrial journalism junior from Brookings, S. D., as Miss Darling; Eugene Kimple, agricultural administration sophomore from Lyons, as Butch; and Charles Halbower, industrial chemistry freshman from Anthony, as Chuck.

Shakespeare Dinner Monday

The annual Shakespeare dinner will be Monday evening in Thompson hall. Marlo Dirks, Moundridge, will be master of ceremonies, and members of Mortar Board will be hostesses. The program will consist of short discussions concerning Shakespeare.

EVERYDAY ECONOMICS

By W. E. GRIMES

The American economic system is based on individual initiative and freedom of enterprise. Dependence is placed on the individual to choose the way in which he will make a contribution to the production of goods and services and thereby obtain income for himself and increase the social income. He takes the initiative and is free to choose, within legally specified limits, the type of productive effort in which he will engage.

These rights and privileges of Americans are one of the major causes of differences in incomes. One individual will have more initiative than another or will use better judgment. Consequently, the product of

his efforts is larger or of better quality or both. Or the individual may choose to produce a product or to render a service that is relatively scarce and consequently is highly valued. As a result, he receives a higher income than his less fortunate or less able fellowman.

As long as individual initiative and free enterprise exist, there will be differences in incomes. Those economic systems that attempt to equalize all incomes do not rely upon individual initiative and do not permit freedom of enterprise. These rights are an important part of American democracy. As long as they remain, there will be differences in incomes.

OUTSTANDING HOME ECONOMICS STUDENTS HONORED AT BANQUET

Irma Popp, Marion, Dorothy Beezley, Girard, and Other Women Cited for College Work

Recognition was given to outstanding students in home economics Thursday night at the annual all-division banquet in Thompson hall. The event opened activities of the twelfth annual Hospitality Days. Margaret L. Hill, junior from Topeka, was toastmistress.

Irma Popp, Marion, home economics senior, was honored for the highest scholastic record for four years of college work. Also recognized was Dorothy Beezley, Girard, who was the representative home economics senior selected during Farm and Home week. Miss Beezley was chosen on the basis of scholarship, leadership, character and participation in activities.

Students from the Division of Home Economics recently elected to Phi Kappa Phi, all-school honorary society, also were given recognition. Included were Irma Popp; Margaret Salser, Wichita; Mary Ann Bair, Wamego; Jane Haymaker, Manhattan; Helen Ferrier, Altamont; Martha Demand, Lincolnville; Betty Hutchinson, Goddard; and Marjorie Courter, Jean Courter, Severy. Faculty members elected to the fraternity were Dr. Ruth Lindquist, head of the Department of Household Economics, and Prof. Eva McMillan, assistant to the dean of home economics.

Rachael Wagaman, Emporia, president of Omicron Nu, honorary home economics organization, introduced newly elected members. Jean Surratt, Springfield, Ill., was graduate student elected. Seniors were Mrs. Nita Mae Biery, Stockton; Mary Evelyn Nielson, Atchison; Lola Christine Whitney, Phillipsburg; Helen Ferrier and Jean Courter. Juniors were Maryanna Lock, Mayetta; Helen Pierpoint, Benedict; Elsie Larson, Madison; Marcile Norby; Carol Stevenson, Oberlin; Jean Alford, Kansas City, Mo.; Petrena Addington, Altoona; Fern Roelfs, Bushton; Margaret Bayless, Wakarusa; and Edith Dawley, Manhattan.

Emmy Lou Thomas, Hartford, sophomore, was given the \$10 award offered by Omicron Nu to the home economics freshman having the highest grade average last year. Her name is engraved on a cup in the dean's offices.

Members of the meat judging team were honored for their work this year. Petrena Addington; Helen Drake, Corbin; Cornelia Burtis, Hymer; and Ocie Alice Taylor, Tribune, composed the team.

Newly elected officers of the Margaret Justin Home Economics club were installed by retiring officers. New positions were assumed by Marcile Norby, president; Beth Stockwell, Manhattan, vice-president; Margaret Ann Collings, Kansas City, Mo., secretary-treasurer, and Hermagene Palenske, Alma, chairman of the lecture board.

Moses Heads I. S. U.

Heading the list of new Independent Student Union officers as president is Joe Moses, McLouth. Arthur Hibbs, Easton, is vice president; Marcella Carter, Morrowville, secretary; Arthur Martens, Buhler, treasurer; Adzianna Blochinger, Concordia, social chairman; Jack Blakely, Topeka, membership; Clea Railsback, Manhattan, assistant membership chairman.

DIETITIANS TAKING REFRESHER COURSE TO DEMONSTRATE CANTEN TECHNIQUE

Will Simulate Emergency Feeding Conditions to Serve Van Zile Hall Residents Friday

Victims of a mock disaster, women residents of Van Zile hall will have their supper served canteen style Friday by the 25 qualified dietitians of the state who will attend the three-day canteen refresher course starting at Kansas State College tomorrow.

This meal will be a practical demonstration of techniques approved by the Red Cross for emergency feeding of large groups of people. At the close of the course held Thursday, Friday and Saturday, the dietitians will be qualified to teach two Red Cross courses, one for the canteen corps and the other for canteen aides.

Arranged by the Department of Institutional Management, the refresher course for experienced dietitians will include talks by Miss LeVelle Wood of the College Department of Institutional Management; Dr. F. E. Nelson, Department of Bacteriology; Dr. W. E. Grimes, Department of Economics and Sociology; Dr. Gladys Vail and Dr. Leah Ascham of the Department of Food Economics and Nutrition.

Mrs. Elizabeth L. Stewart, graduate assistant in the Department of Institutional Management, who was in Hawaii during the December 7 attack, will describe her experiences. Miss Ella Johnson of the Department of Education will speak, and a representative from Ft. Riley will discuss feeding in a disaster. The group will attend one session of the Frozen Food Locker conference here Thursday.

In Tank Repair Crew

Kenneth Storer, former mechanical engineering student at Kansas State College, is a welder in the service department of the First Armoured Division at Ft. Knox, Ky. He is a member of the repair crew that follows the tanks.

Hodges Talks at Solomon

Dr. J. A. Hodges of the Department of Economics and Sociology spoke on "War Incomes" before a joint farmer and business men meeting at Solomon Thursday.

CARL E. RICE, '97, INTERNEED AT MANILA BY JAPANESE, PROFESSOR RICE IS TOLD

Prof. Ada Rice of the Department of English has received word from Francis B. Sayre, U. S. high commissioner of the Philippine Islands, that her brother Carl E. Rice has been interned by the Japanese in Manila and that any attempt to communicate with him would endanger his safety.

Rice, who completed work for a bachelor of science degree at Kansas State in 1897, is one of several hundred concentrated at Santo Tomas university at Manila. Of the conditions under which they are interned little is known. In a radio address delivered by Commissioner Sayre March 25, he said:

"I have tried in every way possible to learn what I could about the Japanese treatment of Americans and Filipinos after the occupation. Through Army Intelligence, through various underground sources, I picked up such information as I could, but none of it is authentic or to be too greatly relied upon."

Joint Recital Saturday

A joint recital by Miss Hilda Grossmann, assistant professor in the Department of Music, and Miss Irmel Williams, instructor in the Department of Physical Education, is scheduled by the Department of Music for Saturday night at 8:30 in the College auditorium. Miss Grossmann, contralto, will sing accompanied by Miss Clarice Painter, assistant professor of music. Miss Williams will present contemporary dances, the costumes and choreography of which she planned. She will be accompanied by two pianos played by Miss Painter and Miss Alice Jefferson, assistant professor of piano.

VOCATIONAL AGRICULTURE CONTESTS TO BRING YOUNG PEOPLE TO CAMPUS

Will Be Conducted April 27, 28 in Connection with Future Farmers of America Meetings

The twenty-second annual State High School Vocational Agriculture Judging and Farm Mechanics contests will be conducted on the campus April 27 and 28. The contests will be held in connection with the fourteenth annual program of the Kansas Association of Future Farmers of America.

More than three-fourths of the schools in the state having vocational agriculture departments are sending entries in the various contests and delegates to the convention, although this represents a decrease from the 1,100 youths who were present last year. Last year, 133 teams competed in the agriculture contests and 83 teams competed in the farm mechanics contests. All team entries are due this year April 20.

The Kansas A. F. F. will begin meetings Monday morning in West Waters hall with registration of official delegates. State president George Stelter of Abilene, former Kansas State student, will preside. The officers will meet in Education hall with state officials at 10 a. m. Monday.

The election and initiation of State Farmer candidates will be conducted in a meeting of the House of Delegates, Monday at 7:30 p. m. in Recreation center. Election of new state association officers for the coming year also will be at this meeting. Tuesday morning the F. F. A. public speaking contest will start in West Waters hall, with President Stelter presiding. Judges of the contest will be faculty members from the College Departments of Education and Economics and Sociology.

Contests will be based on poultry judging, crops judging, dairy husbandry judging and animal husbandry judging. Farm mechanics contests are based on farm power, farm machinery, concrete, welding, roof framing and sheet metal with hand tools.

Climaxing the contests will be the annual banquet sponsored by the Manhattan Chamber of Commerce, Tuesday at 7 p. m. in Nichols gymnasium.

Who's Who's Issued

The sixteenth annual edition of Who's Who's, the College 4-H club yearbook, was printed Wednesday. According to Gordon West, editor, 1,600 books will be issued.

FORT RILEY SOLDIERS TO NIGHT EDUCATION CLASSES ON CAMPUS

PROGRAM ORGANIZED AT REQUEST OF OFFICERS, MEN

Faculty Members Will Instruct Group without Personal Compensation—23 Are Enrolled for Courses

Twenty-three men and officers stationed at Ft. Riley have enrolled in special night classes in education at Kansas State College, it has been announced here.

The classes, which will be conducted in the Department of Education by special arrangements approved by President F. D. Farrell and the State Board of Regents, were organized at the request of the soldiers who selected the courses they wanted to take.

MEET WEDNESDAYS

Most of the officers and men who have enrolled are engaged in a special educational project at the Cavalry Replacement Training Center at Ft. Riley. Some of the group, however, are in classification work.

Faculty members in the Department of Education will meet their soldier classes for two-hour periods each Wednesday night on the campus. They will provide instruction without personal compensation, according to Prof. E. L. Holton, department head.

ARMY NOT INVOLVED

The army itself is not officially involved, although fort officials have encouraged the men in their efforts to obtain instruction designed both to help them in their educational and classification work and broaden their educational backgrounds.

Courses which will be taught in the program are Abnormal Psychology, by Dr. O. W. Alm; Statistical Methods in Education, by Prof. M. C. Moggie; Educational Administration, by Dr. V. L. Strickland; and Psychology of Art, by Dr. Roy Langford.

OKLAHOMA AGGIES TAKE LAST EVENT TO OVERCOME WILDCAT TRACK TEAM

Bad Weather Holds up Baseball Nine's Activity—Scheduled to Meet Missouri Tigers This Week

The K-Staters and the Oklahoma A. and M. trackmen fought neck and neck for 14 of 15 events on the Stillwater track Saturday afternoon. Then in the last event of the meet, the Oklahomans turned in a 3:22.5 time in the mile relay event to snatch victory from the Wildcats 69 1-2 to 61 1-2.

Lead scorer for the meet was Ralph Tate, lanky field events star for the Oklahoma Aggies, with 14 1-2 points. Al Rues, Parker, made eight points in the distance events to lead the Wildcat scorers.

Continued bad weather has caused the opening games of the baseball season, with the University of Kansas team on April 10 and 11, to be postponed until May 4 and 5. Although unable to play its first scheduled games, the Wildcat varsity has been drilling regularly on the sodden diamond.

Coach Frank Myers, K-State's baseball coach, announced last week the election of Ray Roke, Sabetha, outfielder, and Warren Hornsby, Topeka, shortstop, as captains of the Wildcats during the coming season.

In order to put his squad in shape for the initial games, with the University of Missouri Tigers at Columbia Friday and Saturday, Coach Myers said, attempts are being made to schedule a pre-season game with a team from Ft. Riley.

FACULTY MEMBERS, SENIORS TO WESTERN ARTS MEETING

College Exhibit at Convention Stresses Source Material in Teaching

Faculty members and senior students in the Department of Art attended the Western Arts convention in Kansas City last week.

Exhibits from art schools—professional, commercial and educational—in the Middle West and commercial companies were set up in the Kansas City auditorium. The Kansas State College art department's exhibit stressed source material for class instruction. This department has the best Indian, Mexican and Guatemalan art materials in the Middle West.

THE KANSAS INDUSTRIALIST

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Number 26

KANSANS WILL MEET TO DISCUSS MORALE OF FAMILY IN WARTIME

CONFEREES WILL HEAR TOPEKA
PSYCHIATRIST FRIDAY

Social Minded Men and Women of State
Will Confer on College Campus
Regarding Home Problems
Arising from Conflict

Social workers and representatives of social minded organizations of the state will pool experiences and ideas in a two-day conference on Family Morale in Wartime here Friday and Saturday under the chairmanship of Dr. Katharine Roy, head of the Department of Child Welfare and Euthenics.

Combining meetings to hear Dr. Sylvia Allen, psychiatrist of the Menninger clinic, Topeka, speak at a Friday evening dinner at Thompson hall will be the conference members, the social work committee of the American Association of University Women and the faculty of the Division of Home Economics. Approximately 140 men and women have already made reservations to hear her speak on "Hobbies in Life Development."

PLAN PANEL DISCUSSIONS

"Impacts of War on Family Relationships," the topic of the Friday afternoon session, will include a panel discussion by Mrs. John Michener, of Wichita; Mrs. Lenore Kent of the Kansas State College nursery school; R. B. Jones, of the U. S. O., Manhattan; Miss Eugenia Stogdale, of the Topeka Provident association, Topeka; and G. A. Sellers, professor of metallurgy and metallography, Kansas State College.

Saturday morning Mrs. Coral Aldous of the Department of Child Welfare and Euthenics will preside at a discussion on "Impacts of the War on the Family" by Miss Cora Thayer, of the Service club, Camp Funston, and Dr. Bert Nash of the University of Kansas, Lawrence. Doctor Roy will lead the following discussion.

HILL WILL PRESIDE

How these impacts may be handled will be considered in the Saturday afternoon topic, "Planning to Meet the Stresses of War." Miss Ella Johnson of the Department of Education will preside. Dean Margaret M. Justin of the Division of Home Economics will talk on the subject "What is Morale?" followed by a panel on the contributions of mental hygiene, social work, religion and education.

This panel will include Dr. Randall Hill of the Department of Economics and Sociology as chairman; Miss Edna Hill, head of the Home Economics department at Kansas university, Lawrence; Miss Helen C. Maurer, of the Bureau of Child Welfare, Topeka; the Rev. Charles Davies, of Manhattan; Mrs. Justin Hillyer, nursery supervisor, Topeka Provident association, Topeka; Doctor Allen; and Prof. M. C. Moggle of the Department of Education, Kansas State College.

Doctor Allen also will speak at the opening session of the conference on the subject "The Individual and the Present Situation." President F. D. Farrell will set the keynote of the group in presenting a talk on "The Present Crisis and the Family."

CURRICULA OF ENGINEERING DEPARTMENTS ACCREDITED

Council for Professional Development
Lists Five K-State Units

Among a nation-wide list of college and university undergraduate engineering curricula accredited by the Engineers' Council for Professional Development were those of five departments in Kansas State College's Division of Engineering and Architecture.

The approved departments are Agricultural Engineering, Architectural Engineering, Civil Engineering, Electrical Engineering and Mechanical Engineering. The Department of Agricultural Engineering was one of only three such departments in the United States given full approval by the council.

Will Direct Activities



Hal W. Luhnow, '17, Kansas City, Mo., president of the Kansas State College Alumni Association, will be in charge of association activities during commencement week. There will be a meeting of the board of directors and the advisory council Friday evening, May 22.

The annual meeting will be in Recreation Center, Saturday, May 23, at 2 p. m. Three directors will be elected.

Mr. Luhnow will also be toastmaster at the alumni-senior banquet in Nichols gymnasium that evening.

The outstanding achievement of Mr. Luhnow's year as president is the establishment of the Alumni Fund for the purpose of obtaining gifts and bequests for many College needs. The library fund is receiving emphasis at present. Gifts totaling \$1,060 have been received to date, and it is hoped that this fund will be increased by commencement.

Members of the board of directors and the advisory council of the Alumni Association are: H. W. Luhnow, '17, president; R. V. Christian, '11, Wichita, vice-president; W. E. Grimes, '13, Manhattan, treasurer; A. P. Davidson, '14, Manhattan, secretary; Henry W. Rogler, '98, Matfield Green; R. A. Seaton, '04, Washington, D. C.; L. C. Williams, '12, Manhattan; Charles Shaver, '15, Salina; Gaylord Munson, '33, Junction City; C. E. Friend, '88, Lawrence; Mame (Alexander) Boyd, '02, Phillipsburg; Clarence G. Nevins, '07, Dodge City; W. Carlton Hall, '20, Coffeyville, and J. W. Ballard, '26, Topeka, and Kenney L. Ford, '24, executive secretary.

AUTHORITY ON DIETETICS AND RED CROSS TO SPEAK

Students, Faculty Members Will Hear
Miss Frances MacKinnon Thursday

If they are interested in either Red Cross work or in dietetics, women students of the College will have opportunities to hear an authority in both, Miss Frances MacKinnon, who is president-elect of the American Dietetic association and director of the nutrition service, Mid-Western branch of the American Red Cross.

Miss MacKinnon will speak on Red Cross activities and vocations in Red Cross work at a meeting Thursday at 3 p. m. in Recreation Center. Institutional management and dietetic majors will hear her at 4 p. m. in Calvin 208.

The College Red Cross committee and the committee on dietetic training of the Division of Home Economics will have a luncheon complimenting Miss MacKinnon Thursday at Thompson hall.

To Grain Storage Meeting

Prof. George Montgomery of the Department of Economics and Sociology, Prof. A. L. Clapp of the Department of Agronomy, Prof. Fred Fenton of the Department of Agricultural Engineering, Dr. E. G. Bayfield of the Department of Milling Industry and Dr. John Parker attended a Grain Storage meeting in Kansas City, Mo., recently.

College Prepares Hearty Welcome for Alumni And Fond Farewell for Her Departing Seniors

Annual Banquet Will Open Affairs Honoring Class of '42

Activities planned in honor of Kansas State College graduating seniors will begin Saturday night, May 23, with the alumni-senior banquet in Nichols Gymnasium on the College campus in Manhattan.

The annual commencement recital featuring Maria Van Delden, Metropolitan Opera dramatic soprano, will be at 4 p. m. Sunday, May 24. At 7:10 p. m. the same day candidates for degrees and faculty members will don appropriate gowns and caps and march to Memorial Stadium where Dr. Remsen B. Ogilby, president of Trinity College, Hartford, Conn., will give the baccalaureate address. The Rev. A. E. Kirk, Manhattan Methodist pastor, will give the invocation and benediction.

HARRIS WILL ATTEND

President and Mrs. F. D. Farrell will entertain alumni and seniors at a reception Monday afternoon, May 25, at the president's campus home. At 7:10 p. m. graduate candidates and faculty members again will march to Memorial Stadium, where Commencement exercises will be conducted.

Representing the Board of Regents at the exercises will be Fred M. Harris of Ottawa. Honorary degrees will be conferred upon Mrs. Alice Vail Waugh, '92, and Mr. Edmund Ray Secrest, '02. Mrs. Waugh of Amherst, Mass., will receive the degree of master of family life. Mr. Secrest, director of the Ohio Agricultural Experiment Station at Wooster, Ohio, will receive an honorary doctor of science degree.

Commencement plans also include an art exhibit in Recreation Center of works by Kenneth M. Adams, native Kansan now resident artist of the University of New Mexico. Prof. John F. Helm, Jr., of the Department of Architecture, is arranging for the exhibit of ten paintings and ten pen drawings and lithographs by Adams, to be shown from about May 20 to June 3.

NATIVE OF NEW JERSEY

Miss Van Delden, who will sing in the commencement recital Sunday afternoon, was born in Holland. She studied with various teachers of drama, dancing and voice in Germany and Austria. She has sung in recitals and in opera in Germany, Austria and France. She has played many Wagnerian opera roles. She was with the Philharmonic orchestra in Hawaii and is now appearing in recitals in the United States.

Doctor Ogilby, who will give the baccalaureate address, was born in New Jersey, April 8, 1881, graduated from Harvard in 1902 and given a master's degree in 1904. Other degrees awarded him are bachelor of divinity, from the Episcopal Theological school, Cambridge, 1908; doctor of laws, Wesleyan, 1921; doctor of letters, Columbia, 1919.

The speaker has been master of the Groton school, deacon and priest of the Protestant Episcopal church, curate at the St. Stephen's church, Boston, and headmaster of the Baguio school in the Philippine Islands. Doctor Ogilby was chaplain in the United States Army in 1918 and 1919. In 1920 he became president of Trinity college.

A MURAL PAINTER

Kenneth M. Adams, whose art will be exhibited during commencement week, was born in Topeka in 1897. He attended the Chicago Art Institute and the Art Students League of New York. He studied in France and is now artist-in-residence at the University of New Mexico.

In 1928 Adams received honorable mention for painting and in 1930 honorable mention for graphic arts

ALMA MATER INVITES YOU

By F. D. Farrell

To save paper and labor the College this year will dispense with individual invitations to commencement and use instead this statement in THE INDUSTRIALIST.

The seventy-ninth annual commencement activities will extend from Alumni Day, Saturday, May 23, to the graduation exercises Monday evening, May 25. Details are announced elsewhere in this issue.

All alumni and other friends of the College are invited, but a special invitation is extended to members of the reunion classes, the classes of '77, '82, '87, '92, '97, '02, '07, '12, '17, '22, '27, '32 and '37. It is hoped that there will be a large attendance.

As Alma Mater grows older, her fondness for her children and her interest in them increases. Visits from her children are always heartening to her. This year, because of war conditions, she is even more than usually desirous of having evidence of the gratitude, the support and the affection of her large and growing family. She wishes to see her children and to have them see her and one another.

at the Denver Art museum. In the spring of 1935 he received the Clark Prize of \$500 and honorable mention at the Corcoran Biennial exhibition of American Art in Washington, D. C. Adams recently has painted several mural compositions, the most outstanding of which are located in Washington, D. C.

11 KANSAS STATE GRADS REPORTED STATIONED IN PHILIPPINE ISLANDS

Col. L. R. Crews, Former Military Science Professor, Believed to Be on Corregidor

At least 11 graduates of Kansas State College and one former professor of the Department of Military Science and Tactics are reported to have been stationed in the Philippines, possibly on Bataan, before war broke out. Two other students who attended Kansas State but did not graduate are unofficially reported to be there.

Col. Leonard R. Crews, who taught at the College for four years ending about 1939, was known to be on Corregidor before December 7.

The graduates of the College are: Maj. Wesley W. Bertz, '30, D. V. M., No. 6 Military Plaza, Manila, P. I.; Lt. Harold F. Eddington, '36, C. E., Ft. Mills, P. I.; Capt. Arlie W. Higgins, '29, G. S., Philippine Dept. P. I.; Lt. Leslie W. King, '35, M. I., Ft. Mills, Corregidor, P. I.; Lt. John E. McCollm, '36, Ag., Cabanataean, Nueva Ecija, P. I.; Lt. J. Bruce Nixon, '36, Com. Ft. Mills, Corregidor, P. I.; Capt. Paul E. Pearson, '31, Com., Hqs. Philippine Dept., Manila, P. I.; Lt. Lester L. Peterie, '40, C. E., Ft. Mills, Corregidor, P. I.; Capt. Albert A. Roby, Jr., '34, D. V. M., Ft. Wm. McKinley, P. I.; Lt. Charles E. Roper, '39, E. E., Ft. Hughes, P. I.; Lt. George S. Wiggins, '32, P. E., Ft. Wm. McKinley, P. I.

Lt. Don Gullmer who attended Kansas State from 1931 to 1933 and Lt. Charles Dronberger, 1935 to 1939, are unofficially reported to be somewhere in the Philippines.

Editor's Note: The Alumni Office will appreciate word of any other alumni reliably reported to have been in the Philippine Islands since the United States entered the war.

Many Graduates Are Expected Back for Yearly Activities

In spite of uncertain transportation facilities, the Kansas State College Alumni Association is planning for the usual number of alumni returning to their Alma Mater for alumni and commencement activities May 23 to 25.

Among the many alumni of the classes of 40 to 50 years ago expected on the campus are Mrs. Alice Vail Waugh, '92, and Edmund Ray Secrest, '02, who will receive honorary degrees of master of life and doctor of science, respectively, at Commencement exercises Monday evening, May 25.

WILL ELECT DIRECTORS

Alumni activities will begin with registration in Recreation center Saturday morning from 10 to 12 o'clock. At noon Saturday, May 23, 13 reunion classes will have luncheon in Thompson hall. All classes that graduated in years ending in "7" or "2" will hold reunions during commencement week. After the luncheon, F. J. Hanna, College photographer, will take pictures north of the Auditorium.

At 2 p. m. Saturday Hal Luhnow of Kansas City, president of the Alumni Association, will preside over the business meeting in Recreation Center. At this time annual reports of association activities will be read, a memorial ceremony for all members who have died during the year will be read, and three members will be elected to the board of directors of the Association.

FREE TICKETS TO SENIORS

Graduating seniors will be guests of the Association Saturday evening at the Alumni-Senior banquet in Nichols Gymnasium. A special speaker who will be an outstanding alumnus, according to Kenney L. Ford, alumni secretary, will talk at the dinner which begins at 6 p. m. There will be a roll call of reunion classes and a dance after the dinner program.

All seniors, says Mr. Ford, will be given free tickets to the dinner when they call at the Alumni Office for them.

YOUNG MOTHERS GIVE TALKS TO HOME NURSING STUDENTS

Describe Preferences in Baby Clothes
in Campus Panel Discussion

Six young mothers told home nursing students their preferences in baby clothes during a panel discussion Monday night at Calvin hall lounge, sponsored by Miss Jennie Williams, associate professor of child welfare and euthenics.

Illustrating their discussion with practical garments were Mrs. Paul Dittmore, Mrs. Freeman Biery, Mrs. Ashley Monahan, Mrs. Kling Anderson, Mrs. George Morgan and Mrs. Earl Hansing.

FOURTEEN WOMEN IN NEW DEFENSE TRAINING COURSE

Product Inspection Will Supply Workers
for Nation's War Industries

Fourteen women and two men enrolled in the first session of the College's Defense Training course in product inspection, Prof. W. W. Carlson, defense training supervisor, announced today.

Professor Carlson said that "although this is the first course of its kind to be offered under the Defense Training program, we are confident that it will be successful in supplying workers for defense industries, just as other Defense Training courses have done."

Tuition-free Defense Training classes will be offered at an increasing rate of speed during the spring and summer months, according to Professor Carlson.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY, Editor
CHARLES M. PLATT, JANE ROCKWELL, PAUL L. DITTMORE, ALBERT HOLLINGS, Associate Editors
KENNEY FORD, Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in installments. Membership in alumni association included.



WEDNESDAY, APRIL 22, 1942

ECONOMIC "INDEPENDENCE"

In these trying times when our nation is struggling to remain free and to restore to other peoples freedom wrested from them by tyrants, it is disconcerting to hear it said that this nation, or this hemisphere, could and should make itself self-sufficient for all time.

The adherents of this position—fatalists, for the most part, whose first postulate is that world peace and utopia are equally unattainable—point to our shortage of rubber and other strategic materials and explain that if this nation long ago had developed the large-scale synthesis of substitutes we should not have to worry about our imports—we could now pull in our oars and let the rest of the world battle to exhaustion.

Quite aside from military or political objections, this view is economically indefensible. For, although miraculous things have been done with synthesis, it is doubtful that the production of "ersatz" goods offers a general solution for our problem of shortages. We may claim enthusiastically that our inventive genius and energy have enabled us to produce, say, synthetic rubber almost as good and almost as cheap as the natural article. But what of the waste of human resources in producing artificially a good which may be produced more economically elsewhere? What of the waste of our natural resources which, released, could be used in production for which this nation or this hemisphere has a natural comparative advantage?

Theoretically, there is almost as much justification for a move to make Kansas, or Manhattan, economically independent as for a proposal to make a nation or a continent self-sufficient. The benefits accruing from division of labor, specialization, are widely recognized, but in times like these we tend to overlook the geographical phase of specialization, to forget that production by each nation of those goods for which its resources give it the greatest comparative advantages is beneficial, in the long run, to the peoples of all nations.

This is not to say that research people should slacken their efforts to develop new and artificial processes and products. New products thus obtained are indispensable to the present war economy. Many of them will no doubt prove to be cheaper and more useful than natural products for which they substitute, and hence adapted to a peace economy. But production of goods most economically, so that the world production plant may yield the greatest quantity of goods for all over an indefinite period, should be the ultimate goal, not self-sufficiency.

Once the war is over—assuming victory will be ours—this country and others will have to decide whether to follow an economic policy based on the expectation of world peace and embracing free and friendly international exchange, or one based on the expectation of war and assuming that self-sufficiency therefore is necessary. The question of economic policy is inextricably bound up with the political settlement which is made. Much of the disastrous impact of the war upon our economy is due to our failure to follow a political and military policy in keeping with our policy of dependence on the Far East for raw materials essential to our economy. It was not the economic but the political

policy that was wrong. The responsibility for its failure extends over many decades, and includes not only several national administrations but extends to the wishful thinking of a vast majority of the people.

Economic cynicism—the urging of complete national self-sufficiency as a permanent policy—is based on the worst kind of political cynicism, a cynicism warranted only if those who entertain it are successful in making it permeate the attitudes and actions of the American people and of their leaders.

AGRICULTURE'S TASK

Ideally performed, the agricultural task would give us what we need for our own consumption and for our allies and nothing else. It would suspend the production of surpluses. All misdirected effort in wartime is waste. We shall not attain the ideal, but we shall move toward it. We shall increase the production of the concentrated foods, which pack much nourishment in little space, and we shall reduce the output of crops like cotton, wheat, and tobacco of which we have enough already. And since manpower will be scarce and the substitution of machinery difficult, we shall draft science more than ever before.

Broadly, despite the handicaps, we are ready for the ordeal. Foresight and statesmanship have given us an ever-normal granary, stored with feeds that can be converted into foods. Foresight and statesmanship have provided also a nation-wide farm adjustment system, which functions as well in high as in low gear, and which is capable of mobilizing the resources of almost every farm. It is the duty of the Department and of the farmers to make the fullest use of these facilities, with national safety rather than agricultural advantage as the goal. Let us remember the parable of the talents. History will judge us by what we do with what we have.—Claude R. Wickard, Secretary of Agriculture.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Ethel Mae Griggs, '30, was dean of the home economics department at the Florida A. and M. college, Tallahassee, Fla.

Richard Jesson, assistant professor of music, returned from Tulsa, where he played at a regional convention of the American Guild of Organists.

A. Lynn Austin, '22, was assistant marketing specialist with the bureau of agricultural economics, United States Department of Agriculture, and livestock market reporter at the National Stock Yards, Ill.

TWENTY YEARS AGO

Frank W. Boyd and Mame (Alexander) Boyd, '02, entertained K. S. A. C. alumni of Phillips county at their home in Phillipsburg.

Virgil C. Bryant, '10, was elected secretary of the State Farm Bureau Federation of California. He was assistant professor of agricultural extension work at the University of California.

Following the student assembly to start the drive to raise \$350,000 for the completion of the memorial stadium, Kansas State College students and faculty subscribed \$99,000 during the first 24 hours.

THIRTY YEARS AGO

Prof. Ralph R. Price, Department of History and Civics, went to Topeka as a judge in the inter-collegiate debate between Washburn college and Ottawa university.

At the meeting of the Science club, Dr. J. W. Scott of the Department of Entomology, Prof. B. F. Eyer and Prof. E. C. Miller of the Department of Botany presented papers.

Thirty-six members of the senior class in domestic science, accompanied by Mrs. Mary P. Van Zile and Miss Ula Dow, went to Kansas City to visit the high schools and manufacturing plants.

FORTY YEARS AGO

Prof. L. W. Hartman of the Department of Physics was elected to a fellowship in physics in the State University of Pennsylvania.

Mark Wheeler, '97, first lieutenant, Fourth Infantry, was stationed at Ft. Clark, Texas, after serving three years in the Philippines.

At the meeting to organize a Washington, D. C., alumni association the

following officers were elected: L. W. Call, president; M. A. Carleton, first vice-president; Julia R. Pearce, second vice-president; Mrs. Gertrude Havens-Norton, secretary; C. F. Doane, treasurer.

FIFTY YEARS AGO

C. A. Campbell and D. C. McDowell, '91, were received by the Presbytery at Junction City as candidates for the ministry.

F. A. Waugh, '91, for nine months agricultural editor of the Kansas Capital, accepted a position on the Farming and Mining Journal of Helena, Mont.

SCIENCE TODAY

By C. E. PEARCE

Professor and Head, Department of Machine Design

Aerial navigation, commonly known as "aviation," is one of the eight courses given to our students in the Civilian Pilot Training Program, and is the only subject given to each group. This would indicate the importance that the Civil Aeronautics Authority attaches to it.

Safety is the primary aim in aviation, and every study in our ground school, as well as in our associated flight school, keeps that aim constantly before the students. We try to indoctrinate them with such habits of operation that safety becomes automatic. If a pilot has an average error of 10° on a course of 500 miles, he will find that he has increased his flight distance by about 90 miles; and if he is a military pilot, he will have missed his target entirely. Every flier must therefore be thoroughly familiar with the types of aviation suitable for his intended flight.

Since each method tries to tell him where he is relative to the surface of the earth, the matter of mapping the world immediately becomes important. We say that a surface is developable if it can be unfolded or spread out into a plane. A sphere cannot be developed, so any map upon a flat sheet of paper must be an approximation. There are at least a dozen types of mapping, each with some particular adaptability to some special problem. The particular chart form that is used in aviation is known as the Lambert conformal conic projection. A straight line on it corresponds almost exactly to a great circle on the earth's surface, and for all practical purposes may be regarded as the shortest route between two points. The distances along any such route will be indicated within an error of 1 per cent. Areas are shown in their true relative proportions and with correct angular relationships. Experience in aviation has shown that no other method of mapping is as generally satisfactory in all particulars as the Lambert.

It is next necessary to develop a method of coordinates, so that any and every point on the surface of the spherical earth can be located exactly. The poles immediately give two natural points of reference, and the great circle half way between them becomes an equally natural line from which to measure. So we say a point is N or S of the equator. There is no natural point or line relative to the E-W direction, so some arbitrary reference must be used. This is the meridian line through Greenwich, England, and so we say a point is E or W of it.

There are four general methods of determining a pilot's position, measured in degrees of latitude and longitude from the equator and from the prime meridian through Greenwich, respectively. These are: contact flight, dead reckoning, radio aviation, and celestial aviation.

Contact flight is made with visual reference at all times to the ground, so the charts must show what the pilot is likely to see as he flies along. The most detailed maps show an astonishing amount of information, and use various colors to prevent confusion. He would find all of this: rivers, lakes and other water features in blue; cities and large towns in yellow; railroads in black; prominent highways in purple; noticeable water towers, bridges, race tracks, etc., in black; relative relief or altitudes above sea level in brown contour lines and also in overall color ranging from dark green, through light green and light brown to dark

SIXTY YEARS AGO

The eldest daughter of Horace Greeley, who was educated at the Kansas State Agricultural College, died in New York.

The Friday afternoon faculty lecture was given by Professor Canfield of the state university. The subject of the lecture was "Russia."

F. O. Popenoe, F. M. Jeffery and John T. Copley, all former students, visited on the campus. Mr. Popenoe was working in Governor St. John's office in Topeka; Mr. Jeffery had finished his year of teaching at Randolph.

KANSAS POETRY

Robert Conover, Editor

CLOUD WINDOWS

By Irma Wassall

The windows of the towers reflect the clouds and the blue sky. How strange to see a face, across the intervening lane of space, gaze outward, angel-wise, between white clouds.

Irma Wassall of Wichita has contributed verse to many leading publications.

SUNFLOWERS

By H. W. Davis

ON BEING INFORMED

To our tragically shocked intellects comes every day World War II. Press and radio are rumbling vehicles in which the horrors and miseries and elations and despairs of the struggle are transported "usward."

No editor, no newscaster, no consumer has yet worked out a formula for recognizing war news as ephemeral or significant. Here is how.

In my morning paper is a big, blackish headline over a press service story in which a writer assures us the visit of General Marshall and Mr. Hopkins to London means the American air force will be bombing Germany—from England—within a month. But that is a mere guess. It is news because it catches the attention of the dizzy public and fills folks with a few thrills to be utterly forgotten by nightfall. The writer can not possibly know whether what he writes is true.

In the poorest attention spot on the same front page is a brief story by the same press service reviewing a Navy communique on the activity of two submarines in Java waters. Together they have accounted for seven or eight Japanese vessels within the past two weeks. This story is not a guess—even the over-cautious Navy vouches for it. It has a significance. It means we have a naval force in south Pacific water busily interfering with the more-than-vital Japanese life-line from Tokyo.

I roughly guess there will be ten readers for the first story, one for the second. I could conscientiously make the odds much higher.

A year or two ago President Roosevelt informed us we are the best informed nation on earth. If he had said "most" instead of "best," he would not have been dragged into this argument. I like to think he meant "most" anyhow, and was not cautiously choosing his words. By now, with more than four months of war behind us and two or three years of dismal failure to make people realize the world situation by press and radio releases, he must realize how poorly we have been informed.

You and I are the only people in America who can do anything about it. If the editors won't slip in a note at the beginning of frothy, whipped-up articles explaining that they are 90 per cent speculation and guesswork, you and I will have to do it when or after we read them. If they won't allow reporters some leeway and privilege in pointing out the significance of the facts they fish up, you and I will have to make ourselves sensitive to significances.

We read the front page and listen to the news round-ups with the same discrimination ten-year-olds use in reading the Sunday comics and listening to the adventures of Jackie Daredevil. We ought to think older than that.

TRAIN BY EXAMPLE

After endless interviews with parents and children, my sympathies are mostly with the children. To have the right kind of children parents must first be what they want the children to become; they must make home life supremely happy; they must see independence in the children not as a sin but as the supreme ideal, and must train them to handle it; and they must remember that a normal child has iron in him and, often spoiled by mere indulgence, is made into a real person by the challenge of sharing family difficulties.—Harry Emerson Fosdick, D. D., in Cosmopolitan.

AMONG THE ALUMNI

The two living members of the class of 1877 are making plans for their sixty-fifth class reunion on May 23. They are Ella (Child) Carroll, B. S. '77, 521 Thurston, Manhattan, and George H. Failyer, B. S. '77, Route 4, Manhattan.

William H. Sikes, B. S. '79, is a merchant at Leonardville, Kan. He visits in Manhattan occasionally.

Emma (Knostrman) Huse, B. S. '80, and her husband, Alden F. Huse, live at 301 North Fifteenth, Manhattan.

Allie (Peckham) Cordry, B. S. '82, wrote last week, "Seeing our Parsons boys home for the Easter holidays reminded me that this year marks the sixtieth anniversary of my graduation, and I was also reminded of the grand time I had there on my 50th in 1932.

"So decided to ask you to write me the plans and dates of this Commencement. After wandering around in the homes of each of my four children, I am finally located here at 1607 Main St., Parsons. Surely would like to hear all about my old friends and

ships of that kind in Kansas. Doctor Nelson, local surgeon for the C. R. I. & P. R. R. has been county coroner for 40 years. Doctor Morgan is examining physician for the county draft board. He has served on the school board, city council, and as mayor of Phillipsburg for 2 terms. He was in the state legislature for two terms.

Anna (Engel) Blackman, B. S. '97, 121 North 9th, Manhattan, is on the committee planning for the '97 reunion, May 23.

Major General Emory S. Adams, B. S. '98, was retired from active service on February 28, 1942, upon his own application, after more than 43 years of service. Major General Adams has been invited by the Manhattan Chamber of Commerce to return to Manhattan to live. His present address is 2909 34th Street, N. W., Washington, D. C.

Bonnie (Adams) Wilkin, B. S. '99, teaches normal training and geometry in the Phillipsburg high school, Phillipsburg, Kan. Her two sons are Robert and Harris Wilkin.

Stella Stewart, D. S. '00, is head of a special bureau recently established in Washington which is keeping a day-by-day record of all military and economic developments during the present war. Miss Stewart was on

permanent field representative.

Florence R. Whipple, H. E. '12, M. S. '30, is now district home management supervisor for the Farm Security Administration and is located at Pratt, Kan.

Lura (Houghton) Horton, H. E. '13, is dietitian at the Muskogee County hospital, Muskogee, Okla. She has a daughter, Betty, enrolled as a sophomore in general science at Kansas State College.

Mary L. Hoover, H. E. '14, writes, "I now teach home economics in Southwestern high school in Detroit, Mich. My address is 2619 Cass."

Julius P. Van Vliet, Ag. '15, is president of the Peoples Accident Insurance company, Lincoln, Neb. He lives at 2933 Jackson Drive, Lincoln.

Louise Greenman Goodwin, H. E. '16, teaches junior high boys and girls in Wilmington, Calif. On a recent alumni news blank she wrote that her address is 1721 East Ocean Blvd., Long Beach, Calif., and sent her sincere thanks for that "splendid history of Dr. Willard's."

W. A. Wunsch, Ag. '17, writes, "I am now state supervisor of the New Mexico fruit and vegetable standardization and marketing service, still located here at State College, N. M. There are a number of alumni round here with whom to discuss Kansas

refrigerator sales and service here before going into the service.

Leslie E. Moody, G. S. '28, is principal of the high school at Fredonia, Kan. He and Helen (Brooks) Moody have two children—Martha, 10 years, and Max, 16 months. Mr. Moody received his M. A. degree in 1940 from Leland Stanford university.

Irene Elliott, G. S. '29, writes that she is typist in the War Department and is now living at 110 South Jefferson Street, Junction City, Kan. She has been teaching at Meriden in the high school commercial subjects.

Thomas H. Gile, Ag. '30, is farm management specialist for the Farm Security Administration and is stationed at Topeka, Kan. He was with the FSA at Salina previously.

Raymond U. Brooks, Arch. E. '32, M. S. '32, is head architect for the bomber plant at Gardner, Kan. He was formerly superintendent of buildings and instructor in industrial arts at the Fort Hays Kansas State college, Hays. Mrs. Brooks was formerly Tina Bailey, f. s.

John R. Long, Chem. E. '33, as a research chemist has been working for the Goodyear Tire and Rubber company. He and Augusta (Schmandt) Long live at 177 Williamson Road, Stow, Ohio.

Edna (Greever) Van Tuyl, '34, Battle Creek, Mich.; Velma Koontz, '37, Manhattan; Floyd E. Davidson, '33, Parsons; J. Arlie Stewart, '29, Little Rock, Ark.; J. Glenn Barnhart, '28, Stinnett, Texas; W. A. Wunsch, '17, State College, N. M.; George Hutcherson, '38, Salina; Pius H. Hostetler, '34, Alexandria, Va.; Louise E. Reed, '30, Fairfield, Iowa; Leroy C. Paslay, '30, and Mary (Hull) Paslay, '30, Dallas, Texas; Lee T. Morgan, '34, Arlington, Va.; Opal (Endsley) Dowdall, '27, Beardstown, Ill., and Ogden W. Green, '29, Lincoln, Nebr.

LOOKING AROUND

KENNEY L. FORD

We salute the men in our armed forces, many of whom are paying for their life or annual memberships in the K. S. C. Alumni association. THE INDUSTRIALIST seems to be getting to men in the service everywhere except in China and the Philippines.

No matter where you are or what you are doing, THE INDUSTRIALIST will bring you news of College, classmates and friends.

The following have become paid-up life members of the Alumni association since February 11 and will receive THE INDUSTRIALIST for life: Helen Macan, '40, Osborne; Ruth Hofess, '38, Independence; Carl Pettyjohn, '41, Akron, Ohio; Lt. C. W. Adcock, '41, Hawaii; Lt. Russell C. Buehler, '39, Sunnam, South America; Emma (Storer) Marx, '35, Dallas, Texas; Edna (Greever) Van Tuyl, '34, Battle Creek, Mich.; Velma Koontz, '37, Manhattan; Floyd E. Davidson, '33, Parsons; J. Arlie Stewart, '29, Little Rock, Ark.; J. Glenn Barnhart, '28, Stinnett, Texas; W. A. Wunsch, '17, State College, N. M.; George Hutcherson, '38, Salina; Pius H. Hostetler, '34, Alexandria, Va.; Louise E. Reed, '30, Fairfield, Iowa; Leroy C. Paslay, '30, and Mary (Hull) Paslay, '30, Dallas, Texas; Lee T. Morgan, '34, Arlington, Va.; Opal (Endsley) Dowdall, '27, Beardstown, Ill., and Ogden W. Green, '29, Lincoln, Nebr.

There are 1,127 paid-up life members in the K. S. C. Alumni association.

RECENT HAPPENINGS ON THE HILL

Dr. Raymond W. Hoecker of the Department of Economics and Sociology attended a Kansas Poultry and Egg Shippers' association meeting in Wichita recently.

"Good Food for Kansas Boys and Girls," by Prof. Lucile Rust of the Department of Education, is a newly released Kansas State College bulletin being sent to all Kansas school superintendents.

Miss Louise Everhardy, associate professor of art, spoke on the Navajo Indians last week before a group of Topeka women. She illustrated her talk with slides, costumes and a diorama of Navajo life.

Committees and plans have been formed for the World Student Service Fund campaign to start on the College campus this month. Jean Werts, Smith Center, and Abdul Khalaf, Jerusalem, Palestine, are general co-chairmen.

Dean Margaret M. Justin of the Division of Home Economics is attending a meeting of the National Committee on Education and Defense in Washington, D. C., this week. Dean Justin is a member of the sub-committee on women in college and defense.

Miss Mary L. Small, instructor in institutional management, has been named chairman of the community education section of the Kansas Dietetic association. Prof. Bessie Brooks West, head of the College Department of Institutional Management, is president of the association.

Mrs. Bessie Brooks West, professor and head of the Department of Institutional Management, is spending this week visiting the Louisiana Polytechnic Institute, the University of Louisiana, and several hospitals in New Orleans. Professor West is a member of the executive board of the American Dietetic association.

Miss Emma Hyde of the Department of Mathematics was appointed chairman of the Unit Fellowship committee of the Southwest Central Section of the American Association of University Women while attending the regional conference, last week in Oklahoma City. Dean Margaret M. Justin, of the Division of Home Economics, presided as regional vice-president. Also taking part were Miss Helen Moore, dean of women, and Mrs. Lucile Rust of the Department of Education.

Supplement THE KANSAS INDUSTRIALIST

April 22, 1942

IN TIME OF WAR . . .

Kansas State Alumni are on the move. They are serving with honor throughout the world. The college is geared to the war effort. There are promotions, transfers, marriages, births, deaths. There is action on land, sea, and in the air, on the farm, in factory, office, schoolroom, home—everywhere Kansas State men and women are helping write the greatest epic in history. You and other alumni are making THE INDUSTRIALIST the most interesting paper that goes to K. S. C. Alumni homes.

Three dollars will give you THE INDUSTRIALIST for one year, \$50 for life. Action gets results! Send your check to the K. S. C. Alumni Association, Manhattan, Kan.

☐ Annual Membership \$3.00
INDUSTRIALIST for One Year
☐ Life Membership (INDUSTRIALIST for Life)

I, _____ of the _____ Class of K. S. C. do hereby apply for life membership in the K. S. C. Alumni Association. In consideration I promise to pay the following amounts when due:

1. <input type="checkbox"/>	\$50.00 on or before.....1, 194....
2. <input type="checkbox"/>	\$50.00 in 10 successive monthly instalments of \$5 each, beginning.....1, 194....
3. <input type="checkbox"/>	\$13.00 on or before.....1, 194.... \$12.40 on or before June 1, 194.... \$11.80 on or before June 1, 194.... \$11.20 on or before June 1, 194.... \$10.60 on or before June 1, 194....

KANSAS STATE COLLEGE RECORDINGS

"Alma Mater" and "Wildcat Victory" by the Kansas State College Men's chorus and

"Roll on, Kansas State" and "Shoulder to Shoulder" by the College band

If you wish one of these phonograph records for your home or alumni meeting, fill out the following order blank and mail to the Kansas State College Alumni association, Manhattan.

- ☐ Inclosed find \$1 for one K. S. C. recording.
☐ Inclosed find 15c for one printed copy of "Wildcat Victory."

Name

Address

ALUMNI NEWS

Each graduate is asked to fill out the following questionnaire and mail to the Alumni Office, Kansas State College, Manhattan, Kansas.

Name

Class

Residence address

Business address

Married?..... If so, to whom?.....

Date of marriage?..... Is wife or husband graduate or former student of some college or university?..... Name of institution?.....

When?..... Occupation (Give complete information, company you work for, title of your position; if teaching, tell what and where, etc.).....

DOCTOR WILLARD'S HISTORY

Dr. Julius T. Willard's "History of Kansas State College of Agriculture and Applied Science" is a best seller among alumni. Get your copy now. Return the following order blank to the Alumni office, Kansas State College, for your copy:

- ☐ I am a paid-up life member of the K. S. C. Alumni association. Kindly send my free copy.
☐ Enclosed find \$..... to complete payments on my life membership, which will entitle me to a free copy.
☐ Enclosed find \$4 for one copy and annual membership in the Alumni association for 1942-43.
☐ Enclosed find \$1 for one copy. My 1942-43 dues already have been paid.
☐ Please ask Doctor Willard to autograph my copy.

Name

Address

ALUMNI-SENIOR BANQUET RESERVATIONS

I will attend alumni day activities May 23. Reserve..... tickets to the alumni-senior banquet, starting 6 p. m. Saturday. Tickets are \$1.50 each—good for banquet and dance. Reservations will be held until 2 p. m. Saturday.

Signed

Address

Clip and Mail to the Alumni Office

AMONG THE ALUMNI

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William H. Sikes, B. S. '79, is a merchant at Leonardville, Kan. He visits in Manhattan occasionally.

Emma (Knostrman) Huse, B. S. '80, and her husband, Alden F. Huse, live at 301 North Fifteenth, Manhattan.

Allie (Peckham) Cordry, B. S. '82, wrote last week, "Seeing our Parsons boys home for the Easter holidays reminded me that this year marks the sixtieth anniversary of my graduation, and I was also reminded of the grand time I had there on my 50th in 1932.

"So decided to ask you to write me the plans and dates of this commencement. After wandering around in the homes of each of my four children, I am finally located here at 1607 Main St., Parsons. Surely would like to hear all about my old friends and Mattie (Mails) Coons, the only living classmate of mine."

Hattie (Peck) Berry, B. S. '84, lives at 1526 Poyntz, Manhattan.

Albert Deitz, B. S. '85, 3406 Jefferson St., Kansas City, Mo., is owner and manager of the Deitz apartments at that address.

Edward O. Sisson, B. S. '86, is at Star Route 1, Box 105, Bremerton, Wash. He is retired as professor emeritus of philosophy of Reed college, Portland, Ore.

John B. Brown, B. S. '87, M. S. '93, has made plans to attend the 55th reunion of his class May 23, coming from his home at Route 2, Phoenix, Ariz.

Lyman H. Dixon, B. S. '88, is architect in charge of specifications for the New York City public works design unit. A recent tracer says that his address is still 34-47 90th St., Jackson Heights, New York, N. Y.

Samuel S. Cobb, B. S. '89, is in the real estate and loan business. He and Carrie (Hunter) Cobb, f. s. '89, live at Wagoner, Okla.

Albert E. Newman, B. S. '90, is a real estate broker at 409 Sixth St., Texas City, Texas. He says, "My latchstring hangs out for the Kansas Staters."

D. C. McDowell, B. S. '91, is president and manager of the Billings Storage & Warehouse company, Billings, Mont. He and Elizabeth (Stingley) McDowell, f. s. '91, live at 224 Wyoming, Billings. Other officers in the warehouse company are J. N. Simmons, vice-president, husband of Edith (Lantz) Simmons, B. S. '96; and Samuel A. McDowell, B. S. '95, treasurer. He and Daisy (Day) McDowell, '95, live at 1023 North 32nd St. in Billings.

Dr. Ivan B. Parker, B. S. '92, and Mary (Findley) Parker, f. s. '92, are at Hill City, Kan., where Dr. Parker is a physician and surgeon.

Thomas E. Lyon, B. S. '93, is looking ahead to next year's reunion already. In a card to those in charge of an alumni meeting at Houston, Texas, he writes, "If any others of the '93 class are there, urge them to plan for our 50th anniversary at Manhattan in 1943." He and Lela (Smith) Lyon are at 402 Harriman Place, San Antonio, Texas.

Dr. Jephthah W. Evans, B. S. '94, has retired from his work as eye, ear, nose and throat specialist in Manhattan. He and Mrs. Evans now live at 514 North Fifth St., Manhattan.

F. A. Dawley, B. S. '95, deputy state dairy commissioner, reports that his daughter, Helen (Dawley) Alford, H. E. '20, and L. G. Alford, '18, visited here during Hospitality Days on the campus. Their daughter, Jean, a junior in home economics, was chairman of the exhibits at the days. Mrs. Alford was graduated on the 25th anniversary of Mr. Dawley's graduation, and so was made an honorary member of the class of '95. Mr. Dawley and Nellie (Herrick) Dawley live at 303 North 14th, Manhattan.

Dr. E. A. Nelson, f. s. '96, and Dr. E. L. Morgan, B. S. '01, have held a medical partnership at Phillipsburg since 1906, one of the oldest partner-

ships of that kind in Kansas. Doctor Nelson, local surgeon for the C. R. I. & P. R. R. has been county coroner for 40 years. Doctor Morgan is examining physician for the county draft board. He has served on the school board, city council, and as mayor of Phillipsburg for 2 terms. He was in the state legislature for two terms.

Anna (Engel) Blackman, B. S. '97, 121 North 9th, Manhattan, is on the committee planning for the '97 reunion, May 23.

Major General Emory S. Adams, B. S. '98, was retired from active service on February 28, 1942, upon his own application, after more than 43 years of service. Major General Adams has been invited by the Manhattan Chamber of Commerce to return to Manhattan to live. His present address is 2909 34th Street, N. W., Washington, D. C.

Bonnie (Adams) Wilkin, B. S. '99, teaches normal training and geometry in the Phillipsburg high school, Phillipsburg, Kan. Her two sons are Robert and Harris Wilkin.

Stella Stewart, D. S. '00, is head of a special bureau recently established in Washington which is keeping a day-by-day record of all military and economic developments during the present war. Miss Stewart was on the staff of the War Industries Board in 1917, served as Tariff Commission statistician for 12 years, and then organized the retail price division of the Bureau of Labor Statistics. Comments about the new bureau indicate that it will aid the future historians but be a burden to the youngsters who will have to learn all these new dates, the countries involved, the changes in territorial status and the shifting of boundary lines.

Margaret (Minis) Snodgrass, B. S. '01, and Milton D. Snodgrass, Ag. '06, visited in March with relatives in Manhattan. They have now returned to their home in Palmer, Alaska. They were early residents of Manhattan, and after graduation were affiliated with the College, she as librarian and he with the agricultural department. They have lived in Alaska over 30 years. Most of this time Mr. Snodgrass has been doing experimental work for the government. They have five children, one of whom graduated from K. S. C. That was William B., D. V. M. '33, who is with the armed forces in Alaska as food inspector.

Maude M. Coe, D. S. '02, may be addressed at her home, 210 South Walnut, McPherson, Kan.

Clara (Goodrich) McNulty, B. S. '03, Stockton, Kan., has a hobby of handweaving. She has designed a loom for occupational therapy weaving.

Chester A. Maus, E. E. '04, writes that he is an electrician in Tulsa, Okla. He and Eunice (Gates) Maus live at 2309 East Second St., Tulsa.

Margaret H. Haggart, D. S. '05, is head of the department of home economics at Fort Hays Kansas State college. She has taught there 13 years and lives at 405 West Sixth Street, Hays.

Elbert E. Greenough, Ag. '06, was elected vice-president of the California Jersey Cattle club at its 21st annual meeting held at Oakland in January. Mr. Greenough is rated one of the outstanding Jersey breeders of California. He and May (Doane) Greenough, D. S. '04, live at Merced, Calif., and are fruit farming as well as dairy farming.

Ella M. Meyer, D. S. '07, is in extension work. She has been transferred recently from her work as home demonstration agent at Lyons to be district home demonstration agent, and is located at Manhattan.

Walter W. Carlson, M. E. '08, head of the shop practice department at Kansas State College, lives at 1722 Laramie, Manhattan.

Major Charles M. Haines, M. E. '09, is in service at the Ordnance Training Center, Aberdeen, Md. He was formerly CCC camp educational adviser at several camps in Kansas.

D. C. Bascom, B. S. '10, sent his change of address from Denver, Colo., to Box 227, Walsh, Colo.

Clifford H. Carr, E. E. '11, former head of the OPM priorities division at Kansas City, Mo., has been assigned as priorities director for Kansas under the War Production Board with offices at Wichita. Mr. Carr was in Washington on special priorities duties for three months and reported in Kansas City during March as

permanent field representative.

Florence R. Whipple, H. E. '12, M. S. '30, is now district home management supervisor for the Farm Security Administration and is located at Pratt, Kan.

Lura (Houghton) Horton, H. E. '13, is dietitian at the Muskogee County hospital, Muskogee, Okla. She has a daughter, Betty, enrolled as a sophomore in general science at Kansas State College.

Mary L. Hoover, H. E. '14, writes, "I now teach home economics in Northwestern high school in Detroit, Mich. My address is 2619 Cass."

Julius P. Van Vliet, Ag. '15, is president of the Peoples Accident Insurance company, Lincoln, Neb. He lives at 2933 Jackson Drive, Lincoln.

Louise Greenman Goodwin, H. E. '16, teaches junior high boys and girls in Wilmington, Calif. On a recent alumni news blank she wrote that her address is 1721 East Ocean Blvd., Long Beach, Calif., and sent her sincere thanks for that "splendid history of Dr. Willard's."

W. A. Wunsch, Ag. '17, writes, "I am now state supervisor of the New Mexico fruit and vegetable standardization and marketing service, still located here at State College, N. M. There are a number of alumni round here with whom to discuss Kansas State occasionally. George Ellis, '25, has been in extension animal husbandry here and has moved to Roswell, N. M., and is assistant to Capt. Mossman in managing the Mossman ranches. Lee Gould, '12, and H. Hildwein, '14, are still going strong."

Dr. J. B. Hinds, D. V. M. '18, is reported in the Veterinary News Letter as being assistant postmaster in Eugene, Ore. He and Mary (Holbrook) Hinds live at 26th & Emerald, Eugene.

W. W. Bell, Ag. '19, and Eva (Harvey) Bell, H. E. '19, have two daughters in school. Elizabeth (Bell) Sheets, senior in home economics, and Virginia, sophomore in general science at Kansas State. The Bells live at Osborne, where Mrs. Bell is owner and manager of the I. G. A. store. Mr. Bell is deputy collector for the department of internal revenue with headquarters at Garden City, Kan.

Dr. B. B. White, D. V. M. '20, sends his new address as veterinarian, c/o State Dept. of Agriculture, State Office Bldg. No 1, Sacramento, Calif.

Dr. B. F. Clapham, D. V. M. '21, operates the Union County Dog and Cat hospital at 208 North Avenue E., Westfield, N. J. He and Clara (Higgins) Clapham, Ag. '19, reside at 225 Florence Avenue, Westfield.

Murray A. Wilson, C. E. '22, and Prof. in Engrg. '26, sends announcement of the death of R. J. Paulette, his partner in the firm of Paulette & Wilson. Two new firms have been organized, one of which is Wilson Company, Engineers, at 215 West Ash St., Salina. With Mr. Wilson in the business are Harry H. Connell, C. E. '22, and Orval W. Tripp, G. E. '23. Others employed by the firm are Lester Hagadorn, C. E. '32, and Ralph Brown, C. E. '27.

Milton S. Winter, Ag. '23, and Fay (Young) Winter, H. E. '20, are at 1116 West Hills Parkway, Lawrence, Kan. They have three children—Shipman, 17, Virginia, 15, and Winton, 11. Mr. Winter owns the Winter Chevrolet company in Lawrence and is on the board of directors of the State Auto Dealers of Kansas, does some ranching on the side.

LaMotte Grover, C. E. '24, is welding engineer for the Air Reduction Sales company, 60 East 42nd Street, New York City. He and Virginia (Alspach) Grover live at 8 Bridge Street, Tarrytown, N. Y.

Harry A. Swim, E. E. '25, and Bula (Wertheberger) Swim, H. E. '20, are at 3436 Edgemont Place, Wichita, Kan. Mr. Swim represents the Altec Service corporation of Kansas City, Mo., as service inspector in Wichita.

Ira G. Dettmer, R. C. '26, is with the Kansas Electric Power company, Eureka, Kan. He is a reserve lieutenant in the C. A. C., and has been active in county organization for National Defense drives. He is past president of the Lions club. He and Dema Lou (Hinze) Dettmer have one son, Robert, who is 10.

Maj. W. C. Meseke, f. s. '27, has graduated from the field officers' course of the Coast Artillery school at Fort Monroe, Va. Major Meseke had been engaged in radio and re-

frigerator sales and service here before going into the service.

Leslie E. Moody, G. S. '28, is principal of the high school at Fredonia, Kan. He and Helen (Brooks) Moody have two children—Martha, 10 years, and Max, 16 months. Mr. Moody received his M. A. degree in 1940 from Leland Stanford university.

Irene Elliott, G. S. '29, writes that she is typist in the War Department and is now living at 110 South Jefferson Street, Junction City, Kan. She has been teaching at Meriden in the high school commercial subjects.

Thomas H. Gile, Ag. '30, is farm management specialist for the Farm Security Administration and is stationed at Topeka, Kan. He was with the FSA at Salina previously.

Raymond U. Brooks, Arch. E. '32, M. S. '32, is head architect for the bomber plant at Gardner, Kan. He was formerly superintendent of buildings and instructor in industrial arts at the Fort Hays Kansas State college, Hays. Mrs. Brooks was formerly Tina Bailey, f. s.

John R. Long, Chem. E. '33, as a research chemist has been working for the Goodyear Tire and Rubber company. He and Augusta (Schmandt) Long live at 177 Williamson Road, Stow, Ohio.

Lt. Milton Ehrlich, Com. '33, is now stationed at Camp Walters, Tex. He and Norabelle (Clarke) Ehrlich have two children, Addison Clark, 4, and Barbara Jean, 2. They live at 419 Water Street, Weatherford, Texas.

Hubert M. Rivers, Chem. E. '34, M. S. '35, is chemical engineer in the Hall Laboratories, Inc., 300 Ross Street, Pittsburgh, Pa. His residence address is 6037 Columbia Avenue, Philadelphia.

Ruth (Kramer) Myers, M. S. '35, writes that she and Edward Myers have two small sons. Mr. Myers is water superintendent at the Maryville plant, Maryville, Mo., where they live.

Harvey J. Hensley, Ag. '36, and Mildred (Beil) Hensley, H. E. '36, have moved recently from Concordia, Kan., where Mr. Hensley was county agent, to Smith Center, Kan., where he is field representative for the Union Central Life Insurance company. Their address in Smith Center is 610 East Kansas Avenue.

Wilma M. (Hilt) Crawford, M. S. '37, is at the Hotel Kansan, Topeka. Her husband, Fred M. Crawford, is district manager for Canada Dry Beverages.

Bob Moody Smith, f. s. '37, wrote an interesting letter from a temporary base in Burma. He says, "There's a romance about Burma that one doesn't see at home. However, I'd give a month's pay for an American meal—we eat here a native version of English food and it lacks something! I'm a radio operator here—rather busy. Work is very interesting."

Barbara Ellen Costin, H. E. '38, is home management supervisor with the Farm Security Administration at Goodland, Kan. Since her graduation she has taught at La Harpe and Great Bend, Kan.

Earl W. Johnson, E. E. '39, Box 829, Hutchinson, Kan., is seismograph operator for the City Service Oil company.

Lt. Al Makins, I. J. '40, writes about himself and his wife, Mary Jean (Grentner) Makins, I. J. '41, "I am attending the Infantry School at Fort Benning, Ga., here for the next three months, and we are enjoying the Southern sunshine and hospitality. Our address is 2308 10th St., Columbus, Ga. We are going to Atlanta this weekend to visit with Phyllis (Patrick) and Grant Salisbury, '41, and Louise (Ross) and George McCaulley. Mr. and Mrs. Bill Beebe, Fred Rumsey, and Bob Rogers, '41, are all down here. Imagine there are other K-Staters."

James F. Booth, Ag. '41, writes, "Since February 1, I have been employed as special field representative with the Union Central Life Insurance company, in charge of farm properties. Since my headquarters will be here in Independence, please send THE INDUSTRIALIST to me here at Box 346."

Walter A. Adams, M. E. '42, is mechanical engineer with the bureau of ships, Navy Department, Washington, D. C. He and Jean (Glenn) Adams, G. S. '39, who were married December 22, are at 5622 24th St. North, Arlington, Va.

LOOKING AROUND KENNEY L. FORD

We salute the men in our armed forces, many of whom are paying for their life or annual memberships in the K. S. C. Alumni association. THE INDUSTRIALIST seems to be getting to men in the service everywhere except in China and the Philippines.

No matter where you are or what you are doing, THE INDUSTRIALIST will bring you news of College, classmates and friends.

The following have become paid-up life members of the Alumni association since February 11 and will receive THE INDUSTRIALIST for life: Helen Macan, '40, Osborne; Ruth Hofsess, '38, Independence; Carl Pettyjohn, '41, Akron, Ohio; Lt. C. W. Adcock, '41, Hawaii; Lt. Russell C. Buehler, '39, Surinam, South America; Emma (Storer) Marx, '35, Dallas, Texas; Edna (Greever) Van Tuyl, '34, Battle Creek, Mich.; Velma Koontz, '37, Manhattan; Floyd E. Davidson, '33, Parsons; J. Arlie Stewart, '29, Little Rock, Ark.; J. Glenn Barnhart, '28, Stinnett, Texas; W. A. Wunsch, '17, State College, N. M.; George Hutcherson, '38, Salina; Pius H. Hostetler, '34, Alexandria, Va.; Louise E. Reed, '30, Fairfield, Iowa; Leroy C. Paslay, '30, and Mary (Hull) Paslay, '30, Dallas, Texas; Lee T. Morgan, '34, Arlington, Va.; Opal (Endsley) Dowdall, '27, Beardstown, Ill., and Ogden W. Green, '29, Lincoln, Nebr.

There are 1,127 paid-up life members in the K. S. C. Alumni association.

RECENT HAPPENINGS ON THE HILL

Dr. Raymond W. Hoecker of the Department of Economics and Sociology attended a Kansas Poultry and Egg Shippers' association meeting in Wichita recently.

"Good Food for Kansas Boys and Girls," by Prof. Lucile Rust of the Department of Education, is a newly released Kansas State College bulletin being sent to all Kansas school superintendents.

Miss Louise Everhardy, associate professor of art, spoke on the Navajo Indians last week before a group of Topeka women. She illustrated her talk with slides, costumes and a diorama of Navajo life.

Committees and plans have been formed for the World Student Service Fund campaign to start on the College campus this month. Jean Werts, Smith Center, and Abdul Khalaf, Jerusalem, Palestine, are general co-chairmen.

Dean Margaret M. Justin of the Division of Home Economics is attending a meeting of the National Committee on Education and Defense in Washington, D. C., this week. Dean Justin is a member of the sub-committee on women in college and defense.

Miss Mary L. Smull, instructor in institutional management, has been named chairman of the community education section of the Kansas Dietetic association. Prof. Bessie Brooks West, head of the College Department of Institutional Management, is president of the association.

Mrs. Bessie Brooks West, professor and head of the Department of Institutional Management, is spending this week visiting the Louisiana Polytechnic Institute, the University of Louisiana, and several hospitals in New Orleans. Professor West is a member of the executive board of the American Dietetic association.

Miss Emma Hyde of the Department of Mathematics was appointed chairman of the Unit Fellowship committee of the Southwest Central Section of the American Association of University Women while attending the regional conference, last week in Oklahoma City. Dean Margaret M. Justin, of the Division of Home Economics, presided as regional vice-president. Also taking part were Miss Helen Moore, dean of women, and Mrs. Lucile Rust of the Department of Education.

THIRTY ELECTED TO MEMBERSHIP IN COLLEGE'S SIGMA XI CHAPTER

NATIONAL HONORARY NAMES FOUR UNDERGRADUATES

Dr. G. A. Filinger, Secretary of K-State Group, Announces New Active, Alumni, Associate and Affiliated Members

Thirty persons have been elected to membership in the College chapter of Sigma Xi, national honorary science society, according to Dr. G. A. Filinger, associate professor of horticulture, and secretary of the chapter. The new membership list of faculty members, graduate and undergraduate students, includes active chapter, alumni, associate and affiliated memberships. Dr. J. H. Burt, head of the Department of Anatomy and Physiology, is president of the chapter.

Two faculty members of other colleges now are active in the K-State chapter because there is no chapter at their respective colleges. Three College faculty, members of Sigma Xi at other institutions, are affiliated with the local chapter. Included in the list of associate members are four undergraduate and seven graduate students.

NEW CHAPTER MEMBERS

The members:
Chapter membership—Dr. James S. Allen, associate professor in the Department of Physics; Charles J. Birkeland, research assistant in the Department of Horticulture; Dean E. Braden, graduate student in the Department of Chemical Engineering; Lyman P. Frick, research assistant in the Department of Zoology; George V. Gooding, research assistant in the Department of Agronomy; H. F. Haas, graduate student in bacteriology; Rodney W. Johnston, research assistant in the Department of Chemical Engineering; John H. Lonnquist, research assistant in the Department of Agronomy; Stephen J. Roberts, graduate instructor in the Department of Surgery and Medicine; Elmer J. Rollins, graduate student in the Department of Chemical Engineering; A. B. Sperry, professor in the Department of Geology; Edward S. Stickle, industrial fellow in the Department of Chemistry; Audrea Jean Surratt, research assistant in the Department of Clothing and Textiles; John H. Whitlock, assistant professor in the Department of Pathology.

Roy Rankin, head of the Department of Chemistry at Fort Hays State college, Hays; and Emil O. Deere of the Department of Zoology at Bethany college, Lindsborg, are now associated with the Kansas State College chapter. There is no Sigma Xi chapter at their colleges.

NAME ASSOCIATES

Affiliated members—Dr. Frank E. Byrne of the Department of Geology, who is a member of the University of Chicago chapter; Dr. H. C. Fryer of the Department of Mathematics, who is a member of the Iowa State chapter; and Kathryn E. Staley in business, who is a University of Chicago chapter member.

Associate members—B. H. Buikstra, graduate student and temporary instructor in the Department of Mathematics; Frank Faulkner, graduate student and temporary instructor in the Department of Mathematics; Oscar S. Fent, senior zoology student; Dolf J. Jennings, temporary instructor in the Department of Zoology; Philip Kaul, senior zoology student; Eugene F. Oakberg, graduate

KANSAS DIETITIANS SHOW HOW THEY PLAN TO FEED LARGE NUMBERS IN EMERGENCIES

Canteen-style supper served out of doors was a lark to women students of Van Zile residence hall Friday evening, but to the 34 experienced dietitians of the state here for a three-day refresher course it was a practical demonstration of feeding large numbers of persons during an emergency.

Huge lard cans were utilized for coffee pots and for cooking the savory meat stew with vegetables. Boxes made chopping boards for cabbage salad and for the carrot and peanut butter sandwich filling. Fresh fruit made an easily served dessert.

As a result of their three-day intensive study, these dietitians will serve as a nucleus for setting up canteen corps in every county in Kansas. Sponsored by the staff of the Department of Institutional Management working with the Red Cross, the refresher course provided training in teaching women to be canteen corps members and canteen aides.

The dietitians, many of them from leading hospitals of the state, some from commercial establishments and others now homemakers turning to war work, will be able to utilize the equipment and supplies available in the community in case of disaster, whether it is caused by war or by storm, floods or fire.

Among larger cities of the state represented were Wichita, Topeka, Kansas City, and Arkansas City, where the dietitians hope to set up courses immediately.

Climaxing the study here Saturday afternoon the women visited the kitchens of the Camp Whiteside hospital at Ft. Riley to see army methods of food preparation. Thursday afternoon, they attended a session of the freezer locker conference here. Other sessions of the refresher course included study of actual disaster cases, including Pearl Harbor, sanitation, the obtaining of supplies, and food preparation and serving.

assistant in the Department of Zoology; Jessie A. Pelham, graduate assistant in the Department of Zoology; Ray Rokey, senior agronomy student; Cornelius R. Rogers, graduate assistant in the Department of Entomology; Floyd W. Smith, senior agronomy student; and Thomas A. Weldon, graduate assistant in the Department of Agronomy.

INTERNATIONALLY KNOWN BIOLOGIST WILL SPEAK ON CAMPUS NEXT MONTH

Dr. Herbert M. Evans, Discoverer of Vitamin E, Will Be Brought Here by Sigma Xi

Dr. Herbert M. Evans, director of the Institute of Experimental Biology at the University of California, an internationally known scientist and lecturer and discoverer of vitamin E, will speak at Kansas State College May 1.

Doctor Evans will be here in connection with the spring meeting of the Kansas State College chapter of Sigma Xi, national honorary society for the promotion of scientific research. Dr. G. A. Filinger, secretary of the local chapter, has announced.

Doctor Evans will speak at a meeting open to the public on the topic, "Recent Results from Studies of the Anterior Pituitary," a small and highly important gland. The presence of one of the secretions of the pituitary controls the rate and extent of bodily growth.

This growth producing substance or hormone was separated by Doctor Evans in 1935 and represented one of the outstanding of his many contributions to science. He has demonstrated the effect of this substance on animal growth. He invariably found the greatest bodily growth in animals having the hormone present.

Another of his important contributions was his discovery of vitamin E in 1922, the vitamin that is essential for reproduction in higher animals.

A frequent visitor abroad, Doctor Evans has studied in many foreign countries. Several of the numerous honorary recognitions and titles he has been awarded have come from foreign organizations and institutions.

A feature of the College Commencement exercises of 1880 was a plowing match by members of the senior class in agriculture.

INDEPENDENTS HANG SEPARATELY AS GREEKS TAKE EIGHT OFFICES

Candidates of Victory Party, Coalition Group, Place Low as 1,754 Students Cast Ballots

In one of the quietest elections in the political history of Kansas State College, students elected eight Greek candidates and four Independents to the Student Council and Board of Student Publications last week. The Victory party, newly formed coalition, failed to elect a candidate to any office and finished low in each division.

A total of 1,754 ballots were cast last Wednesday under the new system of divisional voting in which students of each division elected only their representatives to the Student Council and members of the Board of Student Publications. This total represents 56 per cent of the entire student body. Last year 2,523, or 62 per cent of the students enrolled at the College, turned out for a record vote.

Wendell Bell, Silver Lake, Delta Tau Delta, Division of General Science, led all candidates in divisional voting, with 330 votes. Mary Margaret Arnold, Manhattan, Pi Beta Phi, also was elected from this division.

Elected to Student Council offices from the Division of Home Economics were Patricia Townley, Abilene, Pi Beta Phi, and Margaret Hill, Topeka, Independent. The Division of Agriculture elected George Inskeep, Manhattan, Phi Kappa, and Ned Rokey, Sabetha, Alpha Gamma Rho.

Edward Hellmer, Olpe, and Clair Barb, Hamilton, both Independent candidates, were elected to Student Council positions from the Division of Engineering and Architecture. The Independent party also won in the Division of Veterinary Medicine. Charles Whiteman, Carrollton, Ill., represents this division on the new Student Council, which met with the old group Tuesday evening in Thompson hall.

The Greek party won all positions on the Board of Student Publications. Frances Gwin, Leoti, Alpha Tau Omega; Drusilla Norby, Pratt, Clovia; and Margaret Ann McClymonds, Lincoln, Neb., Alpha Delta Pi, now are members of the Board.

In Joint Recital

A joint recital by Miss Hilda Grossmann, contralto, and Miss Irmel Williams, dancer, was presented by the Department of Music, Saturday night in the College auditorium. Miss Grossmann sang 10 numbers, accompanied by Miss Clarice Painter, assistant professor in the music department. Twin pianos played by Miss Alice Jefferson, assistant professor of music, and Miss Painter accompanied Miss Williams in her dances, the costumes and choreography of which Miss Williams, instructor of physical education, planned herself. The dances were contemporary in nature.

Y. W. C. A. Secretary Resigns

Miss Erma Murray, executive secretary of the College YWCA, resigned her position last week after announcing her engagement to be married to Dr. Buckley Rude, pastor of a community church in Colony, Okla., this summer.

1942 COMMENCEMENT CALENDAR

Class Reunions

'77	'12
'82	'17
'87	'22
'92	'27
'97	'32
'02	'37
'07	

SATURDAY, MAY 23

Alumni Day

- 10-12 a. m. Alumni registration, Recreation Center.
- 12 noon. Class luncheons.
- 2 p. m. Alumni business meeting, Recreation Center.
- 6 p. m. Alumni-Senior banquet, Nichols Gymnasium.

SUNDAY, MAY 24

- 4 p. m. Commencement Recital, Auditorium.
- 7:10 p. m. Academic procession.
- 7:30 p. m. Baccalaureate services, Memorial Stadium.
- Address by Dr. Remsen B. Ogilby, President of Trinity College, Hartford, Conn.

MONDAY, MAY 25

- 3-4:30 p. m. Alumni-Senior reception, President's residence.
- 7:10 p. m. Academic Procession.
- 7:30 p. m. Graduation Exercises, Memorial Stadium.

Football Schedule

- Alumni: Clip this schedule and file it in your wallet for future reference.
- Sept. 26—University of Texas, at Austin
- Oct. 3—Open
- Oct. 10—Duquesne University at Pittsburgh
- Oct. 17—University of Missouri, here
- Oct. 24—University of Kansas, here
- Oct. 31—Wichita University, Wichita
- Nov. 7—University of Oklahoma, Norman
- Nov. 14—University of Indiana, at Bloomington
- Nov. 21—Iowa State College, here
- Nov. 28—University of Nebraska, at Lincoln

M. A. SEATON SAYS KANSAS HENS SHOULD EXCEED GOAL

Egg Production, However, Depends on Successful Hatching Season

With a satisfactory hatching season in Kansas this year, Kansas poultrymen will exceed their egg production goals in the Food for Freedom Program by a considerable margin. That is the forecast by M. A. Seaton, College Extension Service poultryman. The production goal for Kansas for 1942 is 148,252,000 dozen.

Total egg production for February for Kansas in 1941 was 127 million, while the 1942 egg production for the same period of 1942 was 147 million, or a percentage increase of over 31 per cent. These records show that Kansas is one of the leading states in increase in egg production of the major poultry states.

ALUMNI RECORDS IN WAR TIME

Maintaining alumni records is a difficult job at any time, and an almost impossible assignment during war time when today's location, rank and address may be wrong by tomorrow. Yet such records must be maintained as best they can, and to that end the co-operation of men in the service, their families and friends back home is solicited by the Kansas State College Alumni Office.

Some day a World War II Directory will be compiled, with the records and the parts so gloriously played by Kansas State men and women as its theme and purpose. To that end and for personal reasons every man in the armed services should keep his Alumni Office advised and informed of his military record and status. Assignments, rank, addresses, special training, promotions, honors and all other personal facts and information should be regularly sent to your Alumni Office.

Only one source of such information is available, and that is from men themselves, their families, and their friends. KEEP YOUR ALUMNI OFFICE POSTED AT ALL TIMES AND COMPLETELY ON YOUR MILITARY RECORD.

For the War Register: Information on the affiliation of graduates and former students of Kansas State College with the armed forces of the nation. These data, to be kept on file in the Alumni Office, are of historical value and will serve to give Kansas State men full credit for their service to our country. Return blank to K. S. C. Alumni Office.

Full Name Division and Year at Kansas State

Branch of Service

Camp Rank

Company, Regiment, Division

Service Record (date entered, promotions, etc.)

Name of person supplying information

Address

WILDCAT NINE SPLITS TWO-GAME SERIES WITH MISSOURI'S TIGERS

ROKEY BROTHERS ARE CLOUTERS FOR KANSAS STATE

College Trackmen Will Go to Boulder Saturday to Defend Championship in Colorado Relays

The Wildcats entered the Big Six conference baseball race Friday and Saturday as they split a two-game series with the University of Missouri nine on the Columbia diamond.

In a tight contest Friday afternoon, the Wildcats lost their opener, 1-0, after a safe hit by "Bobo" Spencer, Tiger pitcher, and a single which drove him across the plate by Herb Gregg, centerfielder. Lee Doyen, pitcher from Rice, allowed Missouri five hits during the game and allowed two opponents to walk while striking out eight.

ROKEY BROTHERS LEAD

In Saturday's game, Huck Heath, Leoti, pitched his first conference game for the Wildcats and garnered a 3-0 win. Heath struck out nine Missourians and allowed four safe hits.

Leading the hitting for the Wildcat crew are Ray and Ned Rokey, Sabetha, brother outfield combination. Each collected two hits in four times at the plate.

The Kansas State tracksters, competing at the University of Kansas Relays Saturday, placed in three events. The medley relay team, composed of Lawrence Chain, Haven; Max Grandfield, Manhattan; Jim Johns, Manhattan; and James Upham, Junction City, brought home the best record, with a second in its event.

TO BOULDER SATURDAY

Ed Darden, Manhattan hurdler, turned in a third place in the high hurdles event. Bill Thies, Marion, tied for fourth place in the javelin event.

The trackmen will go to Boulder, Colo., Saturday to enter the Colorado Relays. Last year, they turned in a championship performance in the mountain states.

Emporians Hear Babcock

Dean R. W. Babcock of the Division of General Science discussed "Science at War" at a dinner during an open house of the biology, physics, chemistry, psychology and mathematics departments at Kansas State Teachers college in Emporia last week.

Banbury Promoted

Lt. R. C. Banbury, Wichita, P. E. '39, has been promoted to the rank of first lieutenant in the Army Air Corps. Lieutenant Banbury is stationed at New Orleans.

EVERYDAY ECONOMICS

By W. E. GRIMES

"All differences in incomes cannot be accounted for by the differences in men."

Differences in incomes of the individuals making up society may be due to differences in the persons or to the nature of the institutions of modern society. One person may have a large income because he performs a scarce and highly valued service. Another person may receive a more modest income since the services he renders are not so scarce and may not be valued so highly by society. These differences in incomes are due to differences in men.

All differences in incomes cannot be accounted for by the differences in men. Some of the largest incomes are the result of the ownership of prop-

erty. Property rights, including the right of inheritance, are one of the economic institutions created by society. The right to own property is the right to income. The result is that some persons receive large incomes even though the services they render personally may not be highly valued.

Modification, either through taxation or otherwise, of the right to own property results in changes in the distribution of income. Recent trends resulting from steeply graduated income taxes are tending more nearly to equalize personally spendable incomes.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, April 29, 1942

Number 27

SOCIAL MINDED KANSANS CONFER ON FAMILY MORALE DURING WAR

SPRIT OF FREE MAN WILL WIN,
SAYS DEAN JUSTIN

President F. D. Farrell, Dr. Sylvia Allen, Dr. Katharine Roy, Mrs. Coral Aldous, Dr. Bert Nash and Others Talk

Each person has his own conception of morale, but in the end it is the spirit of the free man that wins the war. This was emphasized by Dean Margaret Justin of the Division of Home Economics, whose speech Saturday afternoon concluded a two-day conference on Family Morale in Wartime on the College campus.

Dean Justin explained that morale is composed of such things as good nutrition, good housing and serene family life. Striking through familiar concepts of life such as faith in God and in the leaders of one's government, the enemy attempts completely to demoralize the people of this country, she said.

"Our problem now is determining ways and means by which we can reaffirm our faith in democracy," said Dean Justin, explaining that this can be done by raising standards of nutrition, health and sanitation and sustaining public education standards. The people of this country must have the opportunity for stressing group likeness in order to prepare for minor adjustments in everyday life during this time of war, said Dean Justin.

READS PRESIDENT'S TALK

The conference, the first of its kind to be held on the Kansas campus, was sponsored by the Department of Child Welfare and Euthenics and consisted of panel discussions and speeches by social workers, members of the College faculty and others interested in the problems of the family created by the war.

The first session Friday afternoon dealt with the impact of war on family relationships. Dr. Katharine Roy, head of the Department of Child Welfare and Euthenics, acted as chairman and read the manuscript of the opening address, "The Present Crisis in the Family," which President F. D. Farrell was unable to give in person.

"In a situation as critical as that in which our country now finds itself, high morale is one of the most

(Continued on last page)

STUDENTS WIN FIRST, THIRD IN PRESENTATION OF PAPERS

Arthur D. McGovern and William Fitzsimmons Take Prizes at Convention

Kansas State College students attending the recent annual convention in St. Louis of the northcentral unit of the American Society of Mechanical Engineers' student branch won both first and third places in the competitive presentation of scientific papers.

Winner of the first-place \$50 prize was Arthur D. McGovern, senior from Schenectady, N. Y., with a paper entitled, "The Revealing Shimmy." William H. Fitzsimmons, senior from Macksville, took third place and a \$15 prize with his paper, "Weighing Small Pressures."

Prof. Linn Helander, head of the Department of Mechanical Engineering, and Wilson Tripp, assistant professor in the same department, accompanied 18 students to the convention. Kansas State will be the host school at the convention next year in Kansas City.

Plaque to Santner

Winner of the scholarship plaque for the outstanding student in the Department of Business Administration was Harold Santner, Gaylord, senior. At the same meeting last week, John Koger, Cheney, was re-elected president of the Business Students' association. Robert Kirk, Topeka, was elected vice-president, and Amy Griswold, Manhattan, secretary. Bonnie Jean McRill, Peabody, is the new treasurer.

Hitchhiker Sells Him

It was a whim of fate which made Chase King, Jr., a defense training student in engineering drawing at Kansas State College instead of a grocery store proprietor. King had completed arrangements to sell his Marysville grocery store last fall, when the prospective buyer canceled his contract at the outbreak of war.

Unable to continue in business, because the store fixtures already had been sold to another man, King set out for Topeka to get work. On the way, he picked up a youth who was hitchhiking to Manhattan to enroll in the tuition-free defense training school at K-State.

After talking with his passenger, Chase became interested. Now he's completed seven weeks of the 12-week course which will fit him for work in industrial production.

LT. CHARLES E. HEITZ OF AIR CORPS KILLED IN CRASH OF PURSUIT PLANE

Former Student in Mechanical Engineering at K-State Was Member of Sigma Alpha Epsilon

News has been received here of the death of Lt. Charles Eldon Heitz, a former student of Kansas State College. Lieutenant Heitz was enrolled in the Department of Mechanical Engineering from 1938 to 1940.

Lieutenant Heitz of the Army Air Corps, who was killed April 4 when the Army pursuit plane of which he was pilot crashed at Olympia, Wash., is survived by his wife, Mrs. Ruth Hudson Heitz, and an 11-month-old daughter.

He was the second member of the Kansas State chapter of Sigma Alpha Epsilon, social fraternity, recently reported killed while on active duty with the United States Army. Maj. Robert E. Pirtle, who attended Kansas State from 1924 to 1927, was killed November 17, 1941, in the crash of a twin-motor bomber near Park City, Utah.

APPOINT NEW STAFF HEADS FOR STUDENT PUBLICATIONS

Betty Lou Hancock, Mary Margaret Arnold, Robert Hilgendorf Named

Newly appointed editors of the Kansas State Collegian and the Royal Purple for next year are Betty Lou Hancock, St. Francis, and Mary Margaret Arnold, Manhattan. The Board of Student Publications also appointed Robert Hilgendorf, Lincoln, business manager of The Collegian.

C. J. Medlin, graduate manager of student publications, was given permission by the board to employ an advertising manager for the Royal Purple who will work under him and the editor.

At last week's meeting of the board, Mr. Medlin and the Collegian business manager were authorized also to make special subscription rates for students who are in, or will enter, the armed forces.

NEW FRESHMAN COUNSELORS TO TWO TRAINING SESSIONS

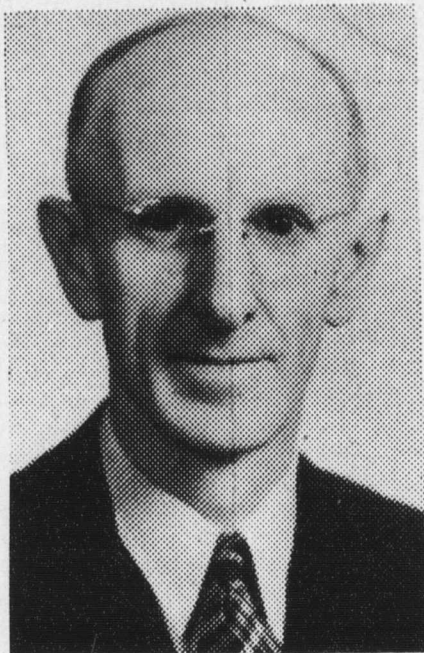
Sophomores, Juniors in Orientation Group Will Meet Saturday, Sunday

Thirty sophomore and junior women in the Division of Home Economics who have been selected to serve as freshman counselors next fall will meet for training sessions Saturday and Sunday afternoons.

Beth Stockwell, vice president of the Margaret M. Justin Home Economics club, is head counselor of this orientation group which has chosen on the basis of ability, personality and leadership. Miss Margaret Rafington, assistant to the dean, is faculty sponsor.

A buffet supper will close the Saturday meeting at Calvin hall and a tea the Sunday afternoon meeting at the home of Dean Margaret M. Justin.

Air Force Adviser



M. A. Durland, assistant dean of the Division of Engineering and Architecture, has been appointed College air force adviser, in which capacity he will help direct the formation of a U. S. Army air force enlisted reserve on the campus.

POULTRY SPECIALIST SEES INCREASE IN TURKEY POPULATION THIS SEASON

L. F. Payne Reports Demand Good, Kansas Hatcheries "Booked to Capacity" till June

There will be a slight increase in the number of turkeys raised in Kansas this season, Prof. L. F. Payne, poultry specialist at the Kansas Agricultural Experiment station, has predicted.

"In addition to a good demand for turkeys, hatcheries producing poults are 'booked to capacity' until about June 1," Professor Payne said, "which points toward an increased turkey population this season."

A little extra care in feeding and management will often determine the amount of profit gained from the enterprise, he pointed out.

Poults hatched and transferred to brooders in April and May will require heat for approximately six weeks, while the June hatchings will seldom need the brooder stove for more than four weeks, he explained.

The poults learn to feed slowly unless their attention has been called to the mash. Hence, cottage cheese or boiled eggs may be crumbled and sprinkled over the mash two or three times a day for the first few days, to encourage mash consumption. Growers should refrain from using coarse, stemmy material on the brooder house floor, since there is danger of death to the poults if they eat too much of this material.

When they no longer require heat from the brooder the poults may be put on the range, says Payne. "The plot of ground selected for the range should be one which has not been occupied by any other form of poultry for a period of two or three years," he said. It also should supply sufficient shade and, if possible, a succulent green feed.

Overhead shelter should be provided for approximately 12 weeks, for protection from rains and hailstorms, he advises, although it is not necessary that this equipment be elaborate. The feeding of mash should continue throughout the growing period, and starting with the eighth to twelfth week the poults should have free access to scratch grain, says Professor Payne.

CPT Courses Open

Applications are now being accepted from persons wishing to enter the summer courses of the Kansas State College Civilian Pilot Training program, Coordinator C. E. Pearce has announced. The summer course will begin about June 15 and will be concluded by September 15. According to Professor Pearce, the course will be so arranged that participants may attend both sections of summer school.

Farewell to Arms

More than a thousand Springfield rifles formerly used by students in the Reserve Officers' Training Corps were packed and sent to the Rock Island, Ill., arsenal last week for future use in army training camps. Virgil F. Secrest, military custodian, said the Department of Military Science and Tactics expects new Garand rifles for use in instruction next year. He also believes the army will either return the old rifles or send new ones by the early part of '43.

MIDWESTERN MILLERS GATHER HERE FOR CONVENTION OF TWO DISTRICTS

Major Earle D. Brown, Newton Evans, Faculty Members and Others Discuss Technical Subjects

The Department of Milling Industry of the College was host last weekend to approximately 125 members of the Association of Operative Millers here for the seventeenth annual joint session of Districts 1 and 2 of their association. The initial meeting was held Friday evening at the Wareham hotel. The Saturday morning session and luncheon were held on the campus.

Alpha Mu, honorary undergraduate society in the milling industry department, held its annual banquet and installation of officers in connection with the Friday evening session. Newton C. Evans, managing editor of The American Miller, Chicago, was the principal speaker at the banquet.

A large framed photograph of Dr. C. O. Swanson, former head of the department, was shown at the banquet; it is the first of a series of portraits that Alpha Mu will hang in its gallery of men of fame in the field of milling industry and cereal chemistry. Dr. E. B. Working of the departmental faculty presented the picture on behalf of the organization.

Included on the program were Dr. E. G. Bayfield, head of the milling industry department, J. E. Anderson, R. O. Pence and Doctor Swanson of the departmental faculty; A. L. Clapp of the Department of Agronomy; Warren Keller of the hard wheat quality laboratory; R. C. Cotton, Bureau of Entomology and Plant Quarantine; and Elmer Modeer of the St. Joseph Testing laboratories, St. Joseph, Mo.

Major Earle D. Brown, Quartermaster Corps, U. S. Army, commandant of the School for Bakers and Cooks at Ft. Riley, was the principal speaker on the luncheon program. His topic was "How the Army Feeds Its Men."

EDWARD HELLMER ELECTED STUDENT COUNCIL PRESIDENT

Independent from Olpe Represents Division of Engineering and Architecture

Edward Hellmer, Olpe, independent representative of the Division of Engineering and Architecture, was elected next year's president of the Student Council last week.

Vice-president is Ned Rokey, Sabetha, Division of Agriculture, and recording secretary is Patricia Townley, Abilene, Division of Home Economics.

Elected corresponding secretary is Margaret Hill, Topeka, Division of Home Economics. George Inskeep, Manhattan, Agriculture, is treasurer, and Wendell Bell, Silver Lake, Division of General Science, is pep chairman.

Needs Horns of Dilemma

Lacking only the horns of the moose, reindeer and Rocky Mountain goat to make his collection of horns and antlers of North American game complete, Prof. E. H. Herrick of the Department of Zoology has 24 pairs of horns and antlers already hanging from the walls around his office desk. Professor Herrick started his collection when he was in grade school.

800 KANSAS HIGH SCHOOL BOYS ON CAMPUS FOR FARM PROGRAM

CONTESTS AND FUTURE FARMER MEETINGS DRAW YOUTHS

Sixty-Nine Cited by Association Monday at House of Delegates Session; Wayne Brant, Chanute, Elected President

Approximately 800 young farmers from all over Kansas gathered on the campus Monday and Tuesday for the twenty-second annual state vocational agriculture program and the fourteenth convention of the Kansas Association of the Future Farmers of America.

The high school youths, their vocational agriculture instructors and the 235 official F. F. A. delegates attended a banquet given for them in Nichols gymnasium Tuesday night by the Manhattan Chamber of Commerce. The program included the announcement of winners of the many agricultural judging and farm mechanics contests conducted at the convention.

ELECT STATE FARMERS

Ninety-two teams were entered in the judging contests and 67 in the mechanics competition. Organizations in the better-chapter contest numbered 38. Public speaking contests with 22 entered were conducted Tuesday. Faculty members of the Department of Education and the Department of Economics and Sociology acted as judges.

Sixty-nine of the rural youths were elected State Farmers Monday night at a F. F. A. House of Delegates meeting. New state officers were chosen Monday and announced Tuesday. They were:

NATIONAL PRESIDENT ATTENDS

Wayne Brant, Chanute, president; Irwin Thalmann, Haven, vice president; Robert Barnes, Goodland, reporter; Grant Price, Lebanon, secretary; Harold Minter, Clay Center, treasurer; and L. B. Pollom, Topeka, adviser. Prof. A. P. Davidson of the College Department of Education is executive adviser of the association. Brant will succeed President George Stelter, Abilene, who presided over the business sessions this year.

Attending the convention here was Irvin J. Schenk of the Evansville, Ind., chapter, national president of F. F. A.

ARTHUR JENNINGS TO PLAY AT ORGANISTS' CONVENTION

Kansas Chapter of American Guild Here May 13, Jesson Announces

Approximately 100 members of the Kansas chapter of the American Guild of Organists and visiting musicians from over the state will convene in Manhattan May 13, it was announced here today.

A recital by Arthur B. Jennings, University of Minnesota organist, in the Kansas State College Auditorium the night of May 13 will be the "big feature of the meeting," according to Richard Jesson, assistant professor of music at Kansas State who is dean of the Kansas chapter.

Professor Jesson emphasized the fact that all musicians, especially organists and choir masters, whether members of the Guild or not, are invited to the meetings. The Jennings recital will be free to musicians attending the convention.

Members of the Kansas State chapter of Mu Phi Epsilon, national music fraternity, will sponsor the sale of recital tickets to others who wish to attend.

Registration for the convention will begin at 1:30 p. m. May 13 at the Methodist church here.

Prepare for Campaign

Evan Griffith, G. S. '22, Kansas war savings administrator, is directing final preparations this week to open a state-wide campaign on May 4 to obtain pledges for systematic buying of war savings bonds and stamps from a third of Kansas' population.

The KANSAS INDUSTRIALIST

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CHARLES M. PLATT, JANE ROCKWELL, PAUL L. DITTMORE, ALBERT HOHLINGS, Associate Editors
KENNEY FORD, Alumni Editor

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WEDNESDAY, APRIL 29, 1942

THE BLUESTEM HILLS

For the next two months Kansas' Bluestem Pasture Region will be one of the nation's most beautiful areas.

During any season of the year those high, rolling prairies broken by limestone hills and narrow valleys are striking. In many sections the bold thrust of the hills, and the sweeping vistas, give much the same impression of majesty as the Colorado mountains.

It is in late spring and early summer, however, that the revival of the Bluestem grasses turns the area into one vast unbelievably beautiful park, an elongated, oval-shaped area roughly 200 miles long and 50 miles wide, extending from Pottawatomie and southern Riley counties on the north to Osage county, Oklahoma, on the south. Long famous as a cattle-breeding region and as a maturing ground midway between the cattle-growing regions of the southwestern plains and the central markets for grass-fattened cattle or the feedlots of the cornbelt, this is the cattle-man's paradise. In spring and early summer it will do for any man's paradise.

It is frequently assumed that the present limits of the Bluestem Pasture Region existed as natural boundaries when the region was in its natural state. However James C. Malin, writing recently in the Kansas Historical Quarterly, shows that the present limits are the results of a prolonged process of differentiation from the surrounding country, recalling that originally Bluestem dominated most, if not the whole, of eastern Kansas.

"On the north and northeast the commercial cornbelt, utilizing glacial drift soils, encroached early upon the hill country; on the east a mixed farming area developed which invaded the hills from that direction; while on the south the Indian reservation pastures of the old Indian Territory and Oklahoma delayed the process of demarcation from the lower end," Professor Malin comments. Within the present Bluestem region much land was broken outside the river and creek bottoms which later was allowed to return to grass. Always the limestone hills, frequently called the "Flint Hills" because of the outcroppings of flint or chert, furnished a barrier to general cultivation.

Although of tremendous importance in the agricultural economy of the nation, the Bluestem Region as a scenic attraction is little known. Main traveled highways pierce it from east to west, but chiefly follow the river valleys, from which the traveler gets little idea of the majestic country beyond the hills on either side. No surfaced highway penetrates the region from north to south. Gradually the state is taking advantage of the runoff from the grasslands to create clear lakes as recreation spots and these will tend to attract more and more Kansans.

Although the scenic beauty of the region is as yet known to a comparative few, this has its compensations. For those who live there and for the others to whom spring is not complete without a trip through the Bluestem hills, they offer quiet, unmarred beauty; perfect relaxation from an increasingly strident world.

AMERICA IN SONG

The song history of America, when some day it gets written, will accomplish two things. It will give the feel and atmosphere, the layout and lingo, of regions, of breeds of men, of customs and slogans, in a manner and air not given in regular history, to be read and not sung. And besides, such a history would require that the student sing his way through most of the chapters.

If and when such history is written it will help some on the point registered by a Yankee philosopher that

there are persons born and reared in this country who culturally have not yet come over from Europe. The chronicle would include that quaint commentary from the Rio Grande, "In Mexico nobody knows how to sing—and everybody sings!"—Carl Sandburg in The American Songbag.

If a man does not make new acquaintances, as he advances through life, he will soon find himself left alone. A man, Sir, should keep his friendship in constant repair.—Samuel Johnson.

SCIENCE TODAY

By LEE M. RODERICK
Professor and Head,
Department of Veterinary Pathology

An encephalitis for the purpose of this article refers to an infectious inflammation of the central nervous system caused by a virus. Epidemic encephalitis, therefore, is the occurrence of a large number of cases of one of these respective specific infectious diseases in a community.

There are no less than eight distinct forms of epidemic encephalitis which provoke disease in the human, and it is not unlikely that there are others which are not yet clearly differentiated. This group of epidemic encephalitis includes rabies, infantile paralysis, Australian X disease, St. Louis encephalitis, eastern and western equine encephalomyelitis, Japanese B. encephalitis and "louping ill." Here is a group of diseases with one exception which can scarcely be differentiated from one another, either by the symptoms which they produce in the patient or by the changes which are found in the brain and spinal cord in the course of the disease. Rabies is somewhat unique in that it is regularly transmitted only by the bite of a rabid animal and that there is a canine reservoir of the infection. A whole series of animals are susceptible to rabies, and moreover it does not conform to any seasonable occurrence of the disease. Here is a group of diseases which is becoming increasingly intricate as further investigations are made. Most of them can only be definitely differentiated from one another by laboratory diagnostic procedures. It seems, too, that several of this group of diseases do not remain in air tight compartments but possess the propensity for reducing infection in heterologous hosts.

The remainder of this group of rather awe provoking plagues possess several biological features in common. It appears with our present information, at least, that infantile paralysis, Japanese B. encephalitis and Australian X disease are primarily human problems, with a limited susceptibility for experimental animals. Louping ill is essentially a disease of sheep but with the hazard of transmission to the human as well. The St. Louis strain of encephalitis was first recognized at Paris, Ill., in 1932 and was involved in the epidemic in St. Louis in 1933. It had until recently been considered as specifically a human infection, but with further facts coming to light it now appears that it is likewise a disease of horses as well. An epidemic of encephalitis occurred during 1940 in man and horses in Weld county, Colo. The human epidemic was in progress at the same time that some 50 horses were affected in the same area. Laboratory tests on the blood sera of both the human and equine cases indicated that the St. Louis encephalitis type of virus was involved in each instance, with little evidence for incriminating the western type of the equine virus. Cox has recently reported that horses are likewise susceptible to the experimental transmission of St. Louis encephalitis.

Recurring epizootics of encephalomyelitis have unquestionably been encountered in horses for a long time. It was not until 1930-31, however, that the specific virus and transmissible nature of this disease was demonstrated. It was presumed for a time that this was essentially a disease of horses, although transmissible to experimental animals. Perhaps it is confusing that this condition was identified as essentially an equine disease, for the evidence seems to be accumulating that the viruses have the property of provoking disease in a wide variety of hosts and the horse is only one of the victims.

The equine encephalomyelitis virus was first demonstrated in a human case in 1938. Both eastern and western strains were encountered that year, although the former was responsible for a rather extensive and highly fatal epidemic in Massachusetts. The most extensive human epidemic to date, however, occurred during the summer of 1941. It had its center in eastern North Dakota and western Minnesota. Some 3,000 cases were observed, with a case mortality of about 9 per cent.

The circumstantial evidence at least seems to indicate that this is a group of insect borne diseases. The seasonal occurrence of the outbreaks can be best explained on that basis, for few cases are seen before June, and the outbreaks subside with the advent of frosty weather. Leake and Cox reported that the sex and age distribution of the human cases of equine encephalomyelitis in the 1941 outbreak was such as to support the insect carrier hypothesis. The disease was essentially rural rather than urban. Up to the age of 15, the number of cases among males and females was about equal, but above 15 years there were three times as many cases among males as among women, suggesting that infection was acquired while working in the hay and harvest fields. Equine encephalomyelitis has been transmitted experimentally by 10 species of mosquitoes. Kitselman and Grundmann found "assassin bugs" are carriers of the western equine virus. During 1941 eight strains of virus, three of St. Louis and five of western equine, were isolated from mosquitoes in the west in areas where the infections had caused outbreaks.

Some of the baffling aspects of the epidemiology of infantile paralysis and of encephalitis in man and animals is the carrier problem, the means of spread of these diseases, and what may serve as the reservoir of the infection during the winter and in the inter-epidemic intervals. The equine viruses have been found in pigeons, pheasants, a prairie chicken, a deer and a ground squirrel in nature. From an immense amount of work in the far west, it would appear that a variety of birds, barnyard fowl and farm animals have at least been exposed to these encephalitis viruses. A start was made in a small way at this institution in a study of some of these host relationships of the virus infection among some of the wild rodents.

It seemed worth while, therefore, in connection with the work here on the equine aspect of the problem, to determine if human cases of the equine virus infection were occurring in Kansas. Arrangements in 1941 were accordingly made with the State Board of Health and the Kansas Medical Society to have physicians secure samples of blood from their patients which presented symptoms of one of these diseases. There were only sporadic cases last year, but 34 samples were received and tested for evidence of the western equine infection. A part of these cases were infantile paralysis, although one of the cases for which that clinical diagnosis was made gave a positive reaction for the equine virus. A total of nine positive cases of western equine encephalomyelitis were found in that group of human cases. Allowing for the cases of infantile paralysis, it seems that of the cases of epidemic encephalitis somewhere near one half of the remainder can likely be attributed to the western equine encephalomyelitis virus. St. Louis encephalitis infection no doubt is involved to a similar degree. This situation seems to agree with the observations on the Pacific coast.

SUNFLOWERS

By H. W. Davis

MUCH IS IN A NAME

My only alibi is that the President himself asked for it. He wants, or wanted, a better name for this awkwardly christened World War Number Two—one that will adequately characterize it.

Only two titles, so far as I can learn, have been presented, and the President himself is responsible for one of them. He has sort of half-heartedly put forward "The War of Survival" or the War for Survival." But I don't think he likes either rendering very much. Four or five days ago some Londoner suggested "The Blackout War."

There the matter stands—or lies. Neither notion has tingled the United Nations as they would like to be tingled. The "survival" idea is maybe a trifle too defeatist and desperate as yet, and "blackout" gives too much prominence to what may be a passing feature.

I can't understand why people, particularly Americans, have been so reluctant about coming forward by the millions with suggestions. It may be because no \$25,000 prize was offered, as is customary; and it may come from a feeling that wars are best christened by dusty historians—afterward, when one can the better see what a war has done to him.

Be that as it is, there certainly has been no mad rush to christen this baby. So, for fear some fifth or sixth columnist carps that no names have been offered because nobody knows what the war is for anyhow, I am going to beat him to it by saying he's a liar. A whole lot of us John Citizens believe—and pretty deeply—that this is a war primarily for the establishment of three or four basic human rights all the way around the globe.

So I propose, in behalf of John Citizen and with his sincere, desperate wishes, "The World War for Human Rights."

I like naming a thing with an eye toward the good effect the name has on the namee. (Except in the case of babies it seems to work pretty well.) Especially should the name of anything as big as a world war be chosen primarily for its influence on that war.

John Citizen tells me the war is going to cost an awful lot in human lives, human misery, and human deprivation. He thinks it ought to aim at a "good" equal to or greater than the probable cost. He also thinks a deep consciousness of that "good" ought to fill the minds of fighters and sacrificers and those for whom the sacrifices are made. I suspect he believes most of the real beneficiaries are yet to be born.

So whether we formally christen it "The World War for Human Rights" or not, let's think of it that way in our hearts. Then we won't be so likely to bungle things along toward the end, when notions of rewarding victors with special privileges and special concessions begin to spring up. Let's plan now, just for a joke, to pass out nothing but special responsibilities when it's all over. There may be little else to pass.

Mr. President, John Citizen respectfully submits "The World War for Human Rights," hoping it works out that way.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Dr. John H. Parker of the College agronomy department was on leave of absence at Cornell university.

Dr. Helen Sharp of the Department of Child Welfare and Euthenics was elected adviser for the Kansas-Western Missouri student volunteer conference held recently at Park college, Parkville, Mo.

Rachel Lamprecht, Manhattan, was named star woman reporter for the year at the annual Matrix Table banquet of Theta Sigma Phi. May Williams Ward of Belpre, prominent Kansas poet, was a featured speaker at the banquet, which was attended by more than 100 guests.

TWENTY YEARS AGO

John W. Calvin, '05, was chief chemist at the Barahona Sugar estate, Barahona, Dominican Republic,

KANSAS POETRY

Robert Conover, Editor

MY FRIENDLY HOUSE

By Carrie M. Wharton

There is a spot high on a windy hill,
Where peace abides
And one can dream at will;
There I would build
A house of wood and stone.
A friendly house that I could call my own.
And welcome those
Who passed along my way
With weary feet.
Bid those who longed to stray
From earthly cares, to rest beside my fire
Until they found
Fulfillment of desire.
To all mankind
The door would open wide
So they might come where peace and joy abide.

Carrie M. Wharton is a native Kansan. Her parents and grandparents were pioneer settlers in Brown county and, with the exception of three years following her marriage, she has lived in Powhattan where she was born and raised. Mrs. Wharton has written verse for years, but it has only been during the past two years that she has had the time to devote to an extensive study of it and has tried to place it before the public.

for the New York Sugar Finance corporation.

Dr. Lyman R. Vawter, '18, with the Department of Veterinary Science at the University of Nevada, was elected president of the Nevada State Veterinary association.

Margaret Justin, '09, who was taking graduate work at Yale university, was granted another fellowship. She held the Berlinger Research fellowship granted by the American Association of University Women, open to women all over the United States, and the Cutler fellowship given by the graduate committee at Yale.

THIRTY YEARS AGO

E. W. Reed, '92, was elected mayor of Holton.

Milton Snodgrass, '06, was with the government experiment station at Kodiak, Alaska.

Nell Hickok, '11, and Irene Taylor, '08, were teaching in the Dickinson county high school at Chapman.

FORTY YEARS AGO

Miss Sue Long, '96, went to Topeka to take the position of society reporter on the staff of the Topeka Daily Herald.

Dr. S. W. Williston, '72, dean of the medical school of the University of Kansas, was appointed a delegate by Governor Stanley to the American Congress on Tuberculosis.

Charles L. Marlatt, '84, assistant United States entomologist, returned to Washington after an absence of over a year in Japan, China, Philippine Islands, Sumatra, Borneo, Ceylon, Egypt and other countries.

FIFTY YEARS AGO

M. M. Lewis, '84, was pastor of the First Baptist church of Nebraska City, Neb., where he had been for two years.

President Fairchild spent Tuesday night in Leavenworth, where he delivered an address before the Northeast Teachers' association, upon "Industrial Training in Education."

SIXTY YEARS AGO

At the meeting of the Scientific club, W. Knaus presented a paper on "Contributions to the Geology of Kansas."

Professor Shelton was called to Topeka where he was a witness in the College case, pending in the supreme court.

Hon. S. M. Wood, president of the Board of Regents, was at the College for several days on business connected with the new building.

PATTERN OF CONQUEST

Under the pretext of self-defense, a government of conquest attacks its most peace-loving neighbors, its most defenseless allies, imputing hostile designs to them and claiming that it does so in anticipation of premeditated aggression.

If its unhappy victims are quickly subdued, it boasts of having forestalled an attack. If its victims resist effectively, a government of conquest calls the whole world to witness, "See for yourselves," it cries, "they intended war, for they are defending themselves!"—Written more than a century ago by Benjamin Constant, a refugee from the Napoleonic Empire, and quoted from "Prophecy from the Past," edited and translated by Helen Byrne Lippman.

AMONG THE ALUMNI

J. H. Criswell, B. S. '89, wrote recently to inquire about a copy of THE INDUSTRIALIST which he had not received. He writes that he plans to attend commencement this year. He and Isabelle (Frisbie) Criswell, B. S. '94, live at 219 South 11th Street, Independence, Kan.

James L. McDowell, B. S. '92, is a preacher and miner in Cripple Creek, Colo. He and Tena (Knox) McDowell have six children, all boys.

Col. Ned M. Green, B. S. '97, infantry, U. S. A., retired, recently had an article in the American Rifleman magazine. He says, "A million riflemen a month can be produced in civilian ranks under National Rifle association leadership. In this war, there should be no such thing as a soldier who doesn't know how to shoot a rifle. Rear areas become combat areas without warning." Emphasis would be placed on fundamentals, according to Colonel Green's plan. He lives at the Army and Navy Club, Washington, D. C.

Deane B. Swingle, B. S. '00, is dean of the division of science and head of the department of botany and bacteriology at Montana State college, Bozeman. He and Alice (Haskins) Swingle have four children, two boys and two girls, and live at 516 West Cleveland, Bozeman. Dean Swingle has written three textbooks—two on botany and one on bacteriology.

Dr. James W. Fields, Ag. '03, is a dentist at McPherson, Kan. He also does some farming. His daughter, Autumn Fields, H. E. '41, visited the campus during Hospitality Days, bringing a number of her students at Smith Center where she teaches vocational homemaking. Doctor Fields reports that he has just retired from 12 years on the school board at McPherson. He has volunteered to help promote attendance for his class reunion in 1943.

John T. Skinner, E. E. '04, and Emily (Smith) Skinner, D. S. '06, report that Mr. Skinner retired on January 1 after 36 years service as manager of the division of the Kansas Electric Power company at Lawrence. They operate a farm home and are active in defense work.

Henry B. Winter, Arch. '09, is in the government service in charge of construction at Ft. Lupton, Colo. He may be addressed at Box 302, Ft. Lupton.

Charles L. Zoller, Ag. '10, is county bindweed supervisor and farmer at Kirwin, Kan. He and Mrs. Zoller have two boys.

Helen Haines, H. E. '13, recently visited the Alumni Office and reported the death of her father, Watson D. Haines of Manhattan. She and her sister, Edith Haines, I. J. '23, came from Reno, Nev., where they work. Their brothers are Joe D. Haines, R. C. '27, of Manhattan, and Cecil W. Haines, Ag. '14, of Newton.

Edwin Davis, B. S. '15, is head of the industrial arts department at Fort Hays Kansas State college. He has been with the college there for 26 years. He and Ruth (Bergland) Davis live at 500 West Seventh Street, Hays. Their son, James, is a senior in the college there.

L. H. "Zane" Fairchild, Ag. '16, is to have charge of the new feed department, recently established by the Hill hatchery in Lincoln, Neb. In the February Nebraska Farmer there is a report of the enlargement: "For a number of years Mr. Fairchild was an instructor and research worker at the Ag. College in Indiana. For most of the past 10 years, he has been associated with Allied Mills at Omaha, supervising the sales in Nebraska and Iowa. During the past fall he has been connected with their research division in Illinois." He writes, "Willard Lyness, '16, Herb Robinson, '16, Merle Beaman Robinson, '17, Dr. E. C. Jones, '16, Isla (Bruce) McClymonds, '16, and A. E. McClymonds, '17, are here in Lincoln and we have been fraternizing with each other some lately." Mr. and Mrs. Fairchild and family live at 4331 Holdrege Avenue, Lincoln.

H. A. Hoffman, D. V. M. '17, is pathologist for the state department of agriculture, division of animal husbandry in California. He and Mrs. Hoffman live at 4425 Frances Court, Sacramento.

Velma (Meserve) Crosby, H. E.

'20, and her husband, the Rev. George Crosby, are at Mendon, Ill.

A copy of the card recently received by the members of the class of 1922 was sent to the Alumni Office to be printed: "We, the undersigned members of the Class of 1922 living in Manhattan, urge that you and your family come back for our class reunion at commencement time, May 23-25. We especially urge you to be present Alumni Day, May 23. Please let us hear from you as to whether you will be able to come. Also write to your friends and encourage them to come. Yours for a successful reunion, Evan Griffith, Harold Howe, Jerry Moxley, Florence (Persons) Weisbender, Ruth (Rathbone) Sallee, Floyd S. Ratts, Walter J. Rogers, and Arthur D. Weber."

Winfred O. McCarty, Ag. '23, writes, "I am teaching vocational agriculture at Parker, Kan. Mrs. McCarty (Esther Thomas, H. E. '27) is still in Berea, Ky., but will come to Parker in May. We will then live here."

William H. Teas, Ag. '24, and Mrs. Teas live at 1014 Neosho, Emporia, Kan., where Mr. Teas is in Soil Conservation Service work. Their children are Elizabeth Ann, Barbara Jane, and Martha Louise.

Helen T. Clark, H. E. '25, is assistant professor of foods and nutrition at Kansas State Teacher's college, and lives at 1610 East Wilman Court, Emporia.

Kenneth Halbower, Ag. '26, and Elma (Hendrickson) Halbower, G. S. '26, have two children, Lorraine, 12, and Harlow, 4. They do general farming at Anthony, Kan.

Charles Marshall, Arch. '27, Prof. Deg. '31, was last month elected president of the Kansas Society of Architects in their annual meeting. Paul Weigel, head of the Department of Architecture at Kansas State College, was chosen secretary. Mr. Marshall, assistant state architect in Topeka, lives at 2021 Clay, Topeka.

Ferdinand D. Haberkorn, G. S. '28, and Mary (Bird) Haberkorn, f. s., are at 3732 Stanford, Dallas, Texas, where Mr. Haberkorn is district representative of the Caterpillar Tractor company.

Orvel L. Gathers, C. E. '29, is civil engineer in the Canal Zone and may be addressed at Box 719, Diablo Heights, Panama Canal Zone.

Lina M. Shippy, M. S. '30, is teaching this year at Swanton, Neb.

Dr. Mark A. Foster, M. S. '31, is a fellow in internal medicine at the Mayo clinic, Rochester, Minn.

Lt. Merle W. Allen, G. S. '33, M. S. '34, is director of ground training at the Lubbock Army flying school, Lubbock, Texas. He and Clara Jean (Martin) Allen, f. s., live at 2204 Eighteenth Street, Lubbock.

Eugene F. Collins, G. S. '34, has a civil service position with the Kansas City food terminal of the War Department. He and Mrs. Collins live at 1873 Armstrong, Kansas City, Kan.

David W. Gregory, Ag. '36, is instructor in the North Carolina State college, Raleigh, N. C. He and Marjorie (Stowell) Gregory live at 4 Maiden Lane, Raleigh.

Leonard Ben Kropp, M. S. '37, was a visitor at the poultry department during the last of March. He has been in charge of the hatchery and breeding program for Swift and Company at Parsons until recently, when he was promoted to the position of hatchery and producer relations man, with headquarters in Chicago.

Frances Evelyn Wolf, H. E. '38, teaches home economics at Greensburg, Kan.

Clifford J. Drake, E. E. '39, is electrical engineer for the Kansas Gas and Electric company at Wichita. He and Beatta (Totten) Drake have a daughter, Dorene, who is 1. They live at 1826 Arkansas Avenue, Wichita.

Jean L. Buchanan, H. E. '40, writes, "I appreciated receiving THE INDUSTRIALIST last year very much, and since I am even farther from Kansas State this year, I know I shall enjoy it even more. Please change my address from Michael Reese hospital, Chicago, Ill., to the Memorial Hospital, Danville, Va., where I am dietitian."

Ruth Keys, H. E. '41, teaches home economics at Jamestown, Kan. She visited on the campus April 11, when she brought a number of students to visit Hospitality Days.

LOOKING AROUND KENNEY L. FORD

Ferdinand Voiland, Jr., '25, Topeka, is a candidate for state printer.

Lt.-Gov. C. E. Friend, '88, Lawrence, has announced his candidacy for governor of Kansas.

Evan Griffith, '22, Manhattan is receiving favorable mention as a possible candidate for governor, and the bug is reported to be hovering over several alumni as possible candidates for seats in the house of representatives.

Kansas State alumni near Memphis, Tenn., and those attending the American Chemical society convention there report a dinner meeting April 20 at the Hotel DeVoy in Memphis. Dr. H. H. King, head of the Kansas State chemistry department, who attended the convention, gave a talk to the group. Those attending the dinner besides Doctor King were F. A. Hetzke, H. N. Barham, Herman Zabel, '35, George L. Morgan, C. A. Dorf, M. S. '32, A. T. Perkins, C. A. Landis, '40, Ralph E. Samuelson, Raymond Olson, R. E. Silker, and E. Meibohm, all students or faculty members at Kansas State; J. R. Heller, '29; Frances Cunningham, '28; Virginia King, '39; R. E. Bert, '39, and Rachael (Congdon) Bert, '40; Lester Miller, '40; Lt. Walter W. Fechner, '37; Mrs. Albert Slater; George Kleier, '40; and Helen (Crow) Tole, f. s. '23, all of Memphis. Other guests were R. H. Lush, '21, and V. R. Piatt, '40, of Washington, D. C.; G. N. Reed, Ph. D. '38, Cedar Rapids, Iowa; and H. H. Coffman, '40, of Bartlesville, Okla.

MUSIC

After doing a smooth, artistic interpretation of the Brahms "Sonata No. 3, in F minor, Op. 5" in his recital at the College auditorium on Sunday afternoon, April 26, Mr. Charles Stratton, pianist, turned to an interesting program of lighter things, and gave his audience full enjoyment in one of the most delightful of his many recitals of the past few years.

The Brahms sonata calls for a master pianist. It is filled with contrasts that need controlling. A less sincere and earnest artist might easily allow it to fly into musical pieces and be brilliant, nervous, stiffly precise and long in spots, wild and irritating in other spots. But Mr. Stratton, though playing with a new intensity, kept it coherent, unified, and meaningful throughout. The Scherzo movement, which you have doubtless heard most often, was played with the finest of easy exactness, but with not any nicer precision than the Intermezzo following, a movement of course quieter and more melodic. Altogether, it was a formidable sonata most satisfyingly done.

The Schumann "Scenes from Childhood, Op. 15," a group of simple mood poems for piano, followed as a pleasant relaxation after the Brahms. The 13 "tunes" seem to reflect an evening in the imagination of a child. Perhaps the "Dreaming" ("Traumeri" to most of us), "The Knight of the Hobby Horse," and the final "The Poet Speaks" were favorites with the audience.

Mr. Stratton also played Gabriel Faure's "Second Impromptu in F minor, Op. 21," a precise, evasive thing always running away but never shaking itself loose; three numbers by Debussy, including the famous "Clair de Lune" that you can correctly call "lovely," and Saint-Saens' "Etude en forme de Valse, Op. 52 No. 6," a composition which carries you along dizzily with melodic lighting and zip in waltz time. It was amazingly well executed.

Those who missed the Stratton recital last Sunday afternoon should credit themselves with foregoing one of his very best and most delightful.

—H. W. D.

DRAMA

Youth had a wonderful time on the box-office side of the footlights Friday night at the opening performance of Sampson Raphaelson's comedy "Accent on Youth," the last presentation of the year by The Manhattan Theatre.

The audience, mostly a student

crowd, thoroughly enjoyed the beating that youth took in the play. They voiced their approval when a cocky young squirt with nothing to his credit but muscle and the vaseline in his hair took the third act matrimonial knockout from the double-chinned charm of a graying oldster.

They liked it when the lovely young heroine jumped into a gray-beard's dressing gown to prove that she preferred fireside chatting with Age to unpolished physical culture with Youth.

Oh, the audience loved it. They knew an impossible fantasy when they saw one. I only heard one objection. When the maturing playwright's young secretary threw herself into his slightly embarrassed embrace the first time the boy sitting next to me said, "That's not so hot." But he laughed when he said it. He knew it was all in fun.

Walter Roach made Stephen Gay, the silver-haired playwright, a delightful fellow. Jeanne Jaccard, as Linda Brown, the secretary, gave a sincere performance. Only I wish Miss Jaccard would stand up straight. Joe Jagger was funny as the old actor whose arthritis can't quite stand the last youthful fling.

Margaret Reissig's performance of Genevieve Lang, the actress who knew what she wanted, would have been more effective with a more subtle touch. Al Huttig played Youth with—youth.

A couple of newcomers to the Theatre group, Ann Ford and Don Wood, showed promise for future performance. Eugene Kimple and Charles Halbower made up for the minor quality of their roles with the intensity of their playing.

To end his first season as director of the theatre, Mr. Roach turned in his best job of direction—and that, in addition to playing a leading role, is no small task. The tempo was excellent throughout the play and the cast caught the spirit of high comedy which is required.

The single set, the living room of Stephen Gay's New York apartment, was effectively designed and executed.—H. M. H.

MARRIAGES

MURPHY—WILLIAMS

Jean Murphy, G. S. '42, and John Jasper Williams, Jr., B. A. '42, were married February 21. Their address is 1031 Fremont, Manhattan.

HOBBS—ANDERSON

The marriage of Goldie Hobbs to Alfred E. Anderson, Ag. '40, of Courtland, Kan., took place March 8. They went on a short wedding trip and now are at home on the Anderson farm near Courtland.

GERBER—HARKAVY

Harriet Gerber and Lt. Hyman J. Harkavy, G. S. '36, D. V. M. '38, were married March 18. They are at Ft. Bliss, Texas, where Lieutenant Harkavy is stationed at the Veterinary Station hospital as Army veterinarian.

REMPEL—BARTEL

Matilda Rempel, H. E. '39, and Roland F. Bartel were married January 30, and live at Hillsboro, Kan. Mrs. Bartel, member of Kappa Delta social sorority, formerly taught vocational homemaking at Randolph and Argonia.

STENER—WAGONER

Word has been received of the marriage of Evelyn Stener, G. S. '41, and Charles E. Wagoner, M. S. '41, on August 21, 1941. They are living at 2356 1-2 Fourth Street, LaVerne, Calif., where Mr. Wagoner is an instructor in the Chemistry department at LaVerne college.

KELSEY—WILKIE

Margaret E. Kelsey and Ray F. Wilkie, M. E. '42, were married February 20. Mr. Wilkie, a cadet officer in the R. O. T. C., will receive his commission in the United States Army in June. He and his bride will live until then at 917 Moro, in Manhattan.

CHAMBERS—ENGLER

The marriage of Katherine Chambers to Lieut. John L. Engler, C. E. '37, took place March 11. Mrs. Engler is a graduate of Central State Teachers college and has been teaching in the Guthrie, Okla., schools. Lieutenant Engler is stationed at Camp Hulen, Texas.

RECENT HAPPENINGS ON THE HILL

Miss Sara Patterson, director of nursing at the University of Kansas hospitals, interviewed last week students in home economics and nursing who plan to enter the hospital this year. Approximately 15 Kansas State College women will enter in June and September.

New president of the Graduate club is John Wagoner, Manhattan. Alma Tingle, Montpelier, Ohio, is vice-president and social chairman. Morris Arneson, Manhattan, is the newly-elected secretary, and Keith McMahon, instructor in the Department of Pathology, is treasurer.

To head Alpha Phi Omega, national service organization, for next year is new president Daniel Hamer, Madison. Other newly-elected officers of the organization are Glen Cline, Fredonia, vice-president; Bramlett Wise, Humboldt, secretary; and Theodore Reed, Norton, treasurer.

Outstanding military science students in basic courses named last week were John Boller, Kansas City, Mo., Chester Peters, Valley Falls, and Charles Holtz, Manhattan, all sophomores; and N. B. Thompson, Manhattan, Dale Spencer, Oakley, and Kenneth Austin, Minneapolis, freshmen.

Guest speaker of the Kansas State College branch of the American Institute of Electrical Engineers at the annual banquet last week was George Fiske, manager of the Kansas City branch of the General Electric company. Mr. Fiske spoke on "Civic Duties of the Engineer." LeRoy Teeter, McPherson, gave a technical demonstration of the Sonovox for society members and guests.

The names of 13 junior men elected to Blue Key were announced yesterday. They are Albert Coates, Kansas City; Paul Chronister, Abilene; George Inskeep, Manhattan; Wendell Bell, Silver Lake; Jack Cornwell, St. John; George Mendenhall, Belleville; David Lupfer, Larned; Robert Schreiber, Garden City; Tom Martin, Topeka; Grant Marburger, Lyons; Leon Findley, Kiowa; Arthur Fillmore, Augusta; and Edward Hellmer, Olpe.

BIRTHS

Lebert R. Shultz, Ag. '36, and Ruth (Urquhart) Shultz, H. E. '36, 55 Main Street, Cobleskill, N. Y., have a son, Lebert Dean, born March 17. Mr. Shultz is with the Ralston Purina company.

Frank G. Parsons, Ag. '35, and Harriet (Reed) Parsons, G. S. '34, are parents of a daughter, Elizabeth Ann, born March 30, 1942. Their home is at 528 C Street, Davis, Calif. He is in the division of agronomy at the university there.

Richard C. Brown, Arch. E. '35, and Mrs. Brown of Topeka have a daughter born March 25. They have named her Donna Kay. Mr. Brown is draftsman with the state highway commission and is located in the Masonic Temple in Topeka.

Maj. Harold L. Anderson, I. C. '33, M. S. '34, and Mrs. Anderson have a son Roger J. L., born March 14, at Kansas City, Kan. Major Anderson returned to duty at Edgewood Arsenal, Md., shortly after, where he is serving as personnel officer in the production division.

DEATHS

IJAMS

John W. Ijams, B. S. '90, died April 15, at the home of his son in Topeka. He had been a farmer at Grantville, Kan., since 1919. Survivors include his wife, Mrs. Hannah L. Ijams, of the home, two sons, Gail of Grantville and Paul of Topeka.

JEWETT

Lea N. Jewett, Ag. '19, died January 27 of a skull fracture received when he was thrown from a horse. He was on the flood control staff of the Bureau of Agricultural Economics, Amarillo, Texas. Survivors include his wife, who is now with the Farm Security Administration at St. John, Kan., two sons and a daughter.

ARMY WILL ORGANIZE AIR FORCE ENLISTED RESERVES AT COLLEGE

AVIATION CADETS TO COMPLETE SCHOLASTIC WORK

Students Will Be Told of Details at Meeting in Recreation Center Monday Night by Major Malcolm Green, Jr.

Major Malcolm Green, Jr., of the Army Air Corps, a member of the Aviation Cadet board at Will Rogers Field, Okla., will meet with interested Kansas State College students at 7 p. m. Monday in Recreation Center to discuss the details of a new program for recruiting aviation cadets for the Air Force Enlisted Reserve.

Kansas State College has been chosen as a recruiting center to take part in a nationwide program instigated by the Army air force for the training of aviation cadets.

DURLAND IS ADVISER

According to President F. D. Farrell, the new program "will provide opportunities for the enlistment of college students on a deferred service basis and for the continuation of college work by men so enlisted."

Prof. M. A. Durland, assistant dean of the Division of Engineering and Architecture, has been appointed faculty Air Force adviser, to serve as a point of contact between air force officials and the College personnel.

The first interview of civilian applicants for the reserve will be conducted at the College May 19. Col. James K. Campbell, head of the Department of Military Science and Tactics, has been named president of the local Aviation Cadet board, and the examining physician will be Dr. J. W. Hanson, a member of the Department of Student Health.

TWO MAIN CATEGORIES

Professor Durland said early this week that all civilians who have the necessary age, physical and mental qualifications, may be enlisted by the examining board under either of two classifications:

1. As privates in the Air Force Enlisted Reserve, subject immediately to call to active duty for training as aviation cadets.

2. As privates in the Air Force Enlisted Reserve to be called to active duty and appointed aviation cadets only at the expiration of one of the following deferment periods:

2A. College students entering their senior year for a period necessary to complete courses for graduation; those entering their junior year for the period necessary to complete both junior and senior scholastic requirements; those entering their sophomore year for a period of three years; or

2B. In case of necessity, whenever directed by the secretary of war.

Civilians not desiring to enlist in the Air Force Enlisted Reserve and who now are awaiting a selective service call may be examined by a board and if qualified will be sent for training as aviation cadets, providing they enlist immediately in the Army unassigned to any particular branch for which enlistments may be authorized.

PATRIOTISM DEMANDS WISE PURCHASING, SAYS SPEAKER

Mrs. Helendeen Dodderidge Discusses "Consumer and War Time Economy"

The obligation of the consumer to buy wisely and well was described as a national defense task worthy of every citizen by Mrs. Helendeen Dodderidge, Consumers' Counsel Division of the U. S. Department of Agriculture, when she spoke to students, faculty members and Manhattan townspeople in a meeting on the College campus last Thursday. Her subject was "The Consumer and the War Time Economy."

Mrs. Dodderidge declared that much of the success of the war economy lies with the consumer, whose job it is to make the many adjustments necessary to avoid needless consumption of goods required in war work. She listed five things as the only essentials of American civilians today: food, clothing, hospital aid, medical aid and air raid protection. We cannot win the war, she said, unless we are willing to make adjustments.

Mrs. Dodderidge urged her listeners to buy carefully as part of their contribution to national defense. If America is going to have money to buy stamps and bonds, she said, its citizens "must learn to spend the dollar more wisely."

EVERYDAY ECONOMICS

By W. E. GRIMES

"To be negotiable, or transferable, a promissory note must meet certain requirements."

A promissory note involves two or more people. It is a promise to pay by the promisor to the party receiving the funds who is called the payee. More than two persons may be involved but only two are required for a promissory note.

To be negotiable, or transferable, a promissory note must meet certain requirements. It must be written and signed by the promisor. The promise to pay must be unconditional. It must specify a sum that is certain in money and must be payable either on demand or at some fixed or future determinable date. And it must be payable to order or to bearer. An instrument lacking the date when payment is to be made or that might be payable on or after a certain date

is not a note. A note payable on demand specifies that it will be paid on any future date chosen by the payee.

Promissory notes are widely used in the modern business world. The frequency with which they are used results in most persons taking for granted these requirements rather than carefully considering each note to be sure that it conforms in all respects. And if a note were made out that failed to meet one or more of these requirements, it is probable that the promisor would still recognize the obligation and make payment although there is a chance for disagreement if the date of payment is not certain or the amount is not specific.

FARMERS CAN FIGHT SORGHUM SMUT CHEAPLY BY DISINFECTING SEED

L. E. Melchers Advises Use of Copper Carbonate or New Improved Ceresan

Kansas farmers can buy "insurance" against sorghum kernel smut at a cost as low as one-half cent an acre, L. E. Melchers, plant pathologist at the Kansas Agricultural Experiment Station, has disclosed. The chemicals used to treat sorghum seed cost about one-half cent an acre of the crop seeded, he estimated.

"A farmer doesn't need any elaborate or expensive equipment for seed treatment," Melchers said. "Since only a small amount of seed is required to plant sorghum, an old milk can or other metal container of similar size may be used to mix the disinfecting powder with the seed."

The fungus causing kernel smut of sorghum lives through the winter on the kernels, the pathologist explained, and the seed must be disinfected before planting.

Melchers recommends the use of either of two disinfectants—copper carbonate or New Improved Ceresan. Three ounces of copper carbonate should be used for each bushel of seed treated. If New Improved Ceresan is used, only one-half ounce per bushel of seed should be applied. The powder and seed should be placed in the container and shaken or rolled until all of the seed is covered with the powder.

Seed treated with powdered copper carbonate may be stored after treatment without any injury to the seed, Melchers said, but he cautioned against storing seed if New Improved Ceresan is used as the disinfectant. After treatment with New Improved Ceresan, seed should be allowed to stand in an uncovered pile for 24 hours, then planted immediately.

Since both chemicals are poisonous, treated seed should not be fed to livestock or poultry, the pathologist said.

HORLINGS TO FACULTY ON PERMANENT BASIS

Replaces H. H. Kriehbaum, Resigned; Instructor R. J. Ladd Also Leaves

Albert Horlings, who has been serving as a temporary assistant professor in the Department of Industrial Journalism and Printing since January, has been appointed as a regular assistant professor, it has been announced by President Farrell.

Professor Horlings, whose appointment will become effective June 1, will replace Hillier Kriehbaum, associate professor of journalism who has been on leave since January 21, and whose resignation has been accepted by the state Board of Regents.

The president also announced the resignation, effective March 31, of R. J. Ladd, instructor in the Department of Shop Practice.

Gets Scholarship

Martha Hemphill, Chanute, Kansas State College senior in business administration, has been awarded a service scholarship in retailing at Northwestern university. While working toward a master's degree in this field of study, she will be receiving training at the school and also experience in various types of retailing operations while employed on a part-time basis in a department store in the Chicago area.

HERRICK URGES FARMERS TO AVERT LOSSES CAUSED BY POCKET GOPHERS

Experiment Station Rodent Control Specialist Recommends Use of Strychnine in Runways

Serious damage to alfalfa fields from the pocket gophers, estimated at three million dollars in Kansas yearly, can be prevented to best advantage in the early spring, Dr. E. H. Herrick, rodent control specialist at the Kansas Agricultural Experiment station, said recently.

The best method of control, he advised, is by the use of strychnine poisoned wheat placed in the runways of the gophers. This is done by probing the main runway with a wagon rod, about a foot from the indented side of the mound. The hole should be enlarged with a sharpened broomstick, he explains, and after about a teaspoonful of poisoned grain has been dropped into it, the hole should be covered, care being exercised that dirt does not fall in and cover the grain.

Herrick advises that every fourth or fifth mound be baited or each system belonging to one gopher be treated in at least two places.

A recommended formula sufficient for 13 quarts of grain, Doctor Herrick says, is one ounce strychnine, one ounce baking soda, one tablespoon glycerin, one heaping tablespoonful laundry starch and one-fourth pint of heavy syrup. These are mixed slowly into boiling water, stirred thoroughly and poured over clean, heavy wheat. It is important that the solution be mixed with the grain until all of it has been coated, Doctor Herrick says.

Poison grains are available at approximate cost from the Department of Zoology at the Kansas Agricultural Experiment station, Manhattan.

COLLEGE EDUCATION GRADS ELECTED TO NEW POSITIONS

Merle Chase and Marlin Schrader Will Be Superintendents Next Year

Three graduates of Kansas State College—Merle Chase, Marlin Schrader, and Hilmar Stuart—recently were elected to new teaching positions, effective next year.

The present principal of the high school at Sabetha, Chase has been elected superintendent at Seneca. He received his B. S. degree in General Science in 1932 and his M. S. degree in education in 1937.

Schrader, now principal of the high school at Harper, will be superintendent of schools at Council Grove. He obtained his B. S. degree in General Science in 1934 and his M. S. degree in 1937. His master's degree was taken in education.

A graduate in general science in 1935, Stuart will leave the principalship of Garrison high school to take the same position at Linwood. He got his master's degree in education in 1941.

To Chemistry Jobs

James Woods, Burden, and Donald McCollister, Pittsburg, graduate student and senior in industrial chemistry, have accepted positions with two chemical companies. Woods will join the Joseph E. Seagram company at Louisville, Ky., June 15. McCollister will join the Dow Chemical company of Midland, Mich., after graduation this spring.

Cite Road Builders

The Kansas State College chapter of the American Road Builders association were presented the Charles M. Upham trophy for having been the best chapter during the 1940-41 school year. Prof. L. H. Koenitzer, assistant professor in the Department of Applied Mechanics and faculty sponsor of the College chapter, made the presentation recently.

PARKER SAYS BEEKEEPING ENTERPRISE WILL BE PROFITABLE HERE THIS YEAR

Agricultural Experiment Station Specialist Notes Definite Increase in Demand for Honey

As a result of the War Production Board's request for more sugar products, there is a definite increase in demand for honey, and a properly managed beekeeping enterprise promises to be profitable, according to Dr. R. L. Parker, bee specialist at the Kansas Agricultural Experiment station.

The price of honey actually has doubled since last December 15, which fact should cause a recovery in the beekeeping industry in Kansas, Doctor Parker explains, since the bee population has been comparatively low in the past few years.

Persons who have a few colonies of bees on hand and who have had previous experience with beekeeping are in the best position to take advantage of the higher prices, he points out, as experience is an important factor in honey production.

Doctor Parker advises that beginners start with two to five colonies, rather than get too many at first. He stresses the importance of beginners' getting all possible knowledge of the habits of bees and the best methods of their management. Two books which he recommends are "First Lessons in Beekeeping," by C. P. Dant, and "Starting Right with Bees," by H. G. Rowe and E. R. Root.

White clover in eastern Kansas and alfalfa in the western part of the state are the principal crops which supply nectar and pollen to the bees, so that the presence of these crops in the community should be considered.

SOCIAL MINDED KANSANS MEET ON CAMPUS TO CONSIDER FAMILY MORALE IN WARTIME

(Continued from page one)
important factors for survival," stated the President. For a country to obtain this morale, the President said, it "requires a shift from a mood of getting to a mood of giving."

Concerning the family's place in maintaining high morale, President Farrell wrote, "Just as the family is the most important social unit in peacetime, it is still the most important in wartime. Its importance is even more evident in wartime because of its effect on morale."

Effects of the war on family relationships afforded the theme for the panel discussion Friday afternoon. Mrs. John Michener of Wichita, chairman of the panel, concluded that a greater number of families all over the United States are confronted with a greater number of problems than ever before as a result of the war. She stated that the war has made people aware of particular problems in family relationships that were incident in peace times.

PSYCHIATRIST TALKS

A conscious effort by each individual to adjust himself and a feeling of neighborliness on the part of all were believed by panel speakers to be ways of making adjustments to difficult situations caused by the war.

Dr. Sylvia Allen, psychiatrist of the Menninger clinic, Topeka, closed the afternoon session with a talk on "The Individual and the Present Situation." She stated that of five reactions that people may form to situations such as are created by war, she favored anxiety. Only in anxiety are people willing to face the situation, keep their minds clear and seek a solution to the problem, she said. In states of apathy, gaiety, depression and belligerency, people are not able to adjust themselves to unpleasant situations.

Doctor Allen also spoke at the dinner Friday evening for conference guests, members of the Association of American University Women and the staff of the Division of Home Economics. In her talk on "Hobbies in Life Development," she explained that some form of sublimation is used in everyday life by everyone. The

KANSAS STATE TRACKMEN RENEW COLORADO RELAYS CHAMPIONSHIP

WIN TWO-MILE, MEDLEY RELAY AND BROAD JUMP

Wildcat Baseball Nine Bows to Oklahoma University Sooners in Double-Header at Norman Saturday, 6-8 and 4-11

The K-State trackmen scored 22 points in relay events at the University of Colorado relays at Boulder Saturday to retain their championship of the annual event. Winning three first placings and two third placings during the meet, the Wildcats held their closest competitor, the Colorado university team, to 14 points.

The Kansas State team carried off honors in the two-mile, mile, and medley relay events. In the 440-yard relay and the 880-yard relay, they ran in third place.

WINS BROAD JUMP

Old-time records were still tops after Saturday's meet, for a heavy track prevented any record-breaking performances.

Points toward the trophy were awarded only during the relay events. In other track and field events, the K-Staters garnered a first place in the broad jump when John Fieser, Norwich, leaped 22 feet, one-half inch. Two second placings were added to the Wildcat take by Ed Darden, Manhattan, in the 120-yard high hurdles and by the Wildcat milers in the mile team race.

FAIL TO HOLD LEAD

K-State's early season baseball record was smashed Saturday with two defeats at the hands of the University of Oklahoma Sooners. The Sooners blasted pitcher Lee Doyen of Rice for 10 hits in the opening game of the double header and won a tight game, 8-6.

In the second game, the Wildcats scored four runs in a first-inning splurge but failed to keep the initial lead when the Oklahomans came back with six runs in the fourth and went on to win, 11-4.

average man, she said, picks up some method for the relief of emotions at the end of the day and tests it out. If it does not satisfy, he goes on to something else. To prove that hobbies have potentiality as a form of sublimation, Doctor Allen told of personal experiences in using hobbies as such.

AN INDIVIDUAL PROBLEM

The impact of war on the family group was the theme of the Saturday morning meeting at which Mrs. Coral Aldous, assistant professor of child welfare and eugenics, presided. Miss Cora Thayer, hostess of the Service club at Camp Funston, presented a case study for group discussion. The study was of an army couple trying to decide whether to have a child when the husband may be called for overseas duty at any time and the wife has no method of supporting herself and the child in case of the husband's death.

After discussing the study and other cases similar, the group concluded that it was an individual family decision which should be made after weighing the advantages carefully—without too much attention to the disadvantages.

Dr. Bert Nash, University of Kansas professor of educational psychology and an expert on child guidance, spoke on "The Adolescent Pressures" during the Saturday morning meeting. Many of the problems, he pointed out, that seem to result from the war were actually present before the war and are only activated by it. There is a definite need, he said, for community planning of a complete, a healthy program for the adolescent, especially during the war, so that he will feel he is doing his part and is taking his place in society.

The session Saturday afternoon, with the theme "Planning to Meet the Stresses of War," consisted of Dean Justin's talk, "This Matter of Morale," and a panel of seven speakers on the contributions that sociology, psychology, education, mental hygiene, home economics, social work and religion can make in meeting the stresses of war.

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Number 28

AERONAUTICAL ENGINEER TO TALK AT ALUMNI-SENIOR BANQUET HERE

MAC SHORT, CLASS OF '22, VEGA
VICE PRESIDENT

Graduate Is Credited with Big Role in
His Organization's Construction of
Aircraft for United States
Armed Forces

Mac Short, vice president of the Vega Airplane company of Burbank, Calif., will be the speaker at the annual Alumni-Senior banquet at Kansas State, it was announced today by Kenney L. Ford, alumni secretary.

The banquet, a part of the commencement activities, will be the evening of May 23, in Nichols gymnasium on the campus.

TAUGHT AT M. I. T.

Short, who received his bachelor of science degree in mechanical engineering from Kansas State in 1922, is in charge of engineering for Vega. He is regarded as one of the outstanding aeronautical engineers in this country.

After completing his work at K-State, Short went to McCook Field as an aeronautical engineer, doing instrument testing and some flight instruction. He remained there till 1925, when he became an instructor in aeronautical engineering at the Massachusetts Institute of Technology.

WIFE A FORMER STUDENT

From 1927 to 1937, he was vice president and chief engineer of the Stearman Aircraft company of Wichita. He has been associated with Vega since 1937.

Short is credited with organizing one of the best engineering departments in the aircraft industry, which is working furiously to supply the nation's armed forces with badly needed air power.

Mrs. Mae (Siefkin) Short was a student at the College in 1919 and 1920.

AIR FORCE VETERAN GIVES STUDENTS FIRST-HAND ACCOUNT OF SKY ATTACKS

Capt. Al Key Speaks at Meeting Called
to Inform K-State Men of New
Enlisted Reserve Plan

"Jap losses are enormous, but they still keep coming," Capt. Al Key, an air force veteran of the battle of Macassar Straits, told a large crowd Monday night in Recreation center.

Captain Key, formerly of Meridian, Miss., spoke at a meeting called for the purpose of informing Kansas State students about the newly-organized Army Air Corps Enlisted Reserve plan, soon to be put in effect here.

The captain told of his first mission in Java when his bombing group sighted a concentration of Japanese boats, sank several and damaged others.

"How the Japs can stand the losses and still keep going, I don't know," he said. American flights in which he participated destroyed a complete enemy air base and bombed several lines of transport ships making their way up a Java river.

When mass evacuation was necessary because of the swift advance of the Japanese, Captain Key and his brother made flights to Australia removing army personnel from Java.

To reach Java, the flight that Key and his brother were in left Tampa, Fla., in January, headed out to the Atlantic and flew around the world by way of Trinidad, across Africa, Egypt and India.

He entered the Air Corps three years ago.

Cited for Scholarship

Winners of the Sigma Delta Chi scholastic awards for journalism students in the upper 10 per cent of the graduating class are Marjorie Rogers, Manhattan; Mary Morris, Chapman; and Ema Lou Bireline, Lewis. The three women chosen for this year's awards have maintained a grade average better than a B during their four years of college.

AGRONOMIST RECOMMENDS LESPEDEZA AS PASTURE CROP IN EASTERN KANSAS

Lespedeza, a crop which grows well on acid soils and soils low in fertility, is discussed in the recent publication, "Korean Lespedeza in Kansas," by Kling L. Anderson, pasture improvement specialist at the Kansas Agricultural Experiment Station, Manhattan. The publication may be obtained by writing to the experiment station for circular number 210.

The crop is best adapted, in Kansas, east of the Flint Hills, since it requires considerable moisture, Anderson asserts.

"Lespedeza is most commonly used for its pasture, which is palatable and nutritious to all classes of grazing animals and is particularly valuable because it furnishes pasture during the hot summer months," he points out.

One of the chief methods of utilizing lespedeza, he says, is to seed it

with oats or other small grain. It is ready to pasture soon after the grain crop has been removed and matures seed in the fall. It volunteers the following season so that reseedling is not necessary. Since it seeds well and volunteers readily, he says, it is used in tame perennial pastures.

"It is a valuable crop for stabilizing the soil on eroded areas and abandoned lands, since once a thin stand has been established, it will gradually thicken and finally bring about complete stabilization," Anderson states.

Another of its many uses is that of seeding it in depleted native grass pastures, to provide a cover for the thin areas until the grasses can get started again. Since it is a legume, it will at the same time enrich the soil by the addition of nitrogen, Anderson concluded.

Celebrate Music Week

The Department of Music is observing National Music week in presenting its fifth annual series of twilight band concerts this week. The series began Tuesday evening in the south quadrangle. The 52-piece band under the direction of William Fitch, instructor in music, will play again tonight and will end the series with the concert tomorrow night. National Music week on the Kansas State College campus began with an orchestra concert in the College auditorium Sunday afternoon.

Dean Justin to Sioux Falls

Dean Margaret M. Justin of the Division of Home Economics will address the Northwest Regional conference of the American Association of University Women Friday at Sioux Falls, South Dakota, on the subject "Women in the War Effort." Dean Justin is vice president of the Southwest Central region.

ANNOUNCE COMPLETE PROGRAM FOR SPECIAL SUMMER SESSION

MORE THAN 40 COURSES ON LIST
FOR FOUR-WEEK TERM

Military Training Will Be Offered at
Normal and Short Periods, but Men
Must Enroll for 13 Weeks to
Take R. O. T. C.

The announcement that more than 40 courses would be offered in an emergency four-week summer session beginning July 27 was made today as Kansas State College prepared to go on a 49-week school year "for the duration."

The prospectus released by Dr. E. L. Holton, dean of the summer school, included both basic and advanced military training. It was made clear, however, that men wishing to take the military training this summer would be required to enroll for 13 weeks—that is, for both the normal nine-week session and the new four-week term.

The short summer session will open July 27 and close August 22. A limited number of courses will be offered in the Divisions (to be known as "schools" after July 1) of Agriculture, Home Economics, Arts and Sciences, and Engineering and Architecture. The School of Veterinary Medicine will operate during the normal summer session but not during the shorter term.

CITES THREE PURPOSES

Discussing the four-week session today, Dean Holton said it had been added to the normal college year "in order to give (1) men students an opportunity to complete as much as possible of their college course before they are inducted into the army, (2) all students an opportunity to reduce the length of time between entrance and graduation, (3) teachers and others an opportunity to attend a short summer session."

The courses to be offered in the four-week session beginning July 27 by "schools" are as follows:

The School of Agriculture: agricultural economic problems, soil problems, animal husbandry problems, dairy production problems, dairy manufacturing problems, horticultural problems and poultry problems.

The School of Home Economics: food economics and nutrition seminar, applied nutrition, problems in food economics and nutrition, problems in foods, fundamentals of demonstrations, problems in household economics and family finance.

The School of Engineering: strength of materials, electro-dynamics, direct-current machinery, engineering drawing, descriptive geometry, machine drawing I and II, engineering thermodynamics and machine tool work I and II.

The School of Arts and Sciences: economics I, general psychology, educational psychology, educational administration, problems in education, problems in psychology, college rhetoric I or II, English literature, American industrial history, current history, plane trigonometry, plane analytic geometry, calculus I and II, differential equations for engineers and military training.

MUST CARRY 13 HOURS

Discussing the summer program of military training, Col. J. K. Campbell, head of the Department of Military Science and Tactics, declared, "The sole purpose of these summer courses, which in past years have not been offered at Kansas State, is to speed up the military training and make officers available to the Army in a shorter period of time."

In addition to attending for the entire 13 weeks of summer school, the R. O. T. C. student must carry a full schedule of 13 semester hours during the summer, that total including all his courses for the two sessions. Only men having a junior classification will be accepted for the advanced course. It was announced that the military department had entered a requisition order for cooler cotton uniforms to be worn during the summer.

MAJOR GENERAL EMORY S. ADAMS: SERVICE IN CHINA, PHILIPPINE ISLANDS, FRANCE, AND THE UNITED STATES



MAJOR GENERAL EMORY SHERWOOD ADAMS, RETIRED

Editor's Note: The following story about Major General Emory S. Adams, distinguished graduate of Kansas State College who recently retired as adjutant general, was printed in the April edition of the United States Army Recruiting News. The picture of General Adams also is printed through the courtesy of Recruiting News.

Born in Manhattan, Kansas, on February 6, 1881, General Emory S. Adams was graduated from Kansas State College in 1898 with the degree of Bachelor of Science. Following his enlistment in the Regular Army in 1900 he served as private, corporal and sergeant with Company G, Second Infantry, until October 27, 1902, when he accepted appointment as a second lieutenant of Infantry. As an enlisted man he served in the Philippines, participating in numerous battles and engagements.

On December 13, 1902, as a second lieutenant, General Adams joined

the Fourteenth Infantry at Ft. Brady, Mich., where he served until January, 1903. He then again went to the Philippines, serving at Camp Harts-horne and Camp Connell until March 5, 1904. He served as Quartermaster and Commissary on the U. S. Army Transports "Ingalls" and "Seward" until March 31, 1905, when he returned to duty with the Fourteenth Infantry at Vancouver Barracks, Wash. Once again he was ordered to the Philippines, on January 6, 1908. There he was placed on detached service with the Military Intelligence Division in Manila, and later he again served as Quartermaster and Commissary for an Army transport, this time the "Warren." He had been promoted to first lieutenant March 15, 1908. Upon his return to the United States after August 14, 1908, he joined the Fifteenth Infantry at

Ft. Douglas, Utah. He served at that post and at San Antonio, Tex., to November, 1911.

Lieutenant Adams next served in China, sailing on November 6, 1911, and serving in Tientsin until November 2, 1913. He returned to the United States for duty at the Recruit Depot, Columbus Barracks, Ohio, and served there until August 10, 1918. He was rapidly promoted while at Columbus, being appointed captain July 1, 1916, major (temporary), August 5, 1917; and lieutenant colonel (temporary) on August 10, 1918, when he left that post for Camp (now Fort) Devens, Mass., and duty as assistant chief of staff for personnel, Twelfth Division.

General Adams sailed for France on October 27, 1918, and after serving on various duties in the A. E. F.,

(Continued on last page)

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WEDNESDAY, MAY 6, 1942

DOCTOR HUSBAND'S CONTRIBUTION

The resignation of Dr. Myron W. Husband as College Physician and head of the Department of Student Health terminates seven years of distinguished service to the College and Kansas.

Statistics tell part, though only a small part, of the changes brought about by his reorganization and administration of the student health services.

In the last full biennium before Doctor Husband's administration of the Department of Student Health began, there were approximately 40,000 visits by students to the College dispensary. In the biennium ending June 30, 1940, there were 90,268, such visits. In a period in which College enrolment had increased by 56 per cent, use of health service facilities by students increased 225 per cent. This increase reflected not only more efficient organization of student health services but a high degree of student confidence in that efficiency. In recent years 95 per cent of all students have made some use of facilities of the Department of Student Health. In the five years 1935 to 1940 student enrolment at the College reached an aggregate of 21,000. There were during that period only two student deaths while under the care of the College health service.

The medical staff has grown since 1935 from two full time and one part time physicians, to five full time physicians. There has been a corresponding increase in the number of nurses and technicians employed.

Health service activities have been expanded greatly, to include a physical examination of all new students and vaccination of those not previously vaccinated. Certain groups of seniors now are given required physical examinations, while optional examinations are widely used by other groups of seniors.

There has been a vigorous campaign of education and testing with reference to syphilis.

Due in large measure to Doctor Husband's stimulus, the College Student Health committee has improved markedly the sanitary inspection of College buildings and of student living quarters.

There remains only one important goal set for the Department of Student Health by Doctor Husband, which has not been achieved during his administration. That is the objective of having the College hospital and the other student health services housed in an adequate Student Health Center. The fact that the present College hospital, remodeled and enlarged in 1920, was built in 1866 as a private residence and is far too small for its purpose, is one indication of the great need that exists. Tentative plans for a new unit have been prepared and scale models built for display, to arouse campus and statewide interest in this need. Economic and other factors, none within the control of the Department of Student Health, have blocked this important project.

Doctor Husband leaves the College with the respect and good wishes of the faculty and of the medical profession in this area. He has earned the gratitude of students, and the families of students, who have benefited from his work in the past seven

years and will benefit in the years to come. He has established the Department of Student Health on a thoroughly sound basis both in the technical sense and from the standpoint of the nature and spirit of services rendered.

It is to be hoped that at the conclusion of the present national emergency either the state or a public-spirited private citizen will provide physical quarters to match the fine professional contribution of Doctor Husband to this College.

BOOKS

Nursing in Kansas

"Lamps on the Prairie." Sponsored by the Kansas State Nurses association. Compiled by the Writers Program of the Work Projects Administration in the State of Kansas. Price \$3.00. pp. 275. Emporia Gazette Press. 1942.

This is a history of nursing in Kansas. But since the advancement of nursing as a profession is dependent upon the advancement of medical science and hospital facilities this book necessarily gives an account of the pioneer men and women of the medical profession and of the institutions for the care of the sick in Kansas. Through it is the story of the development of the care of the sick from the crude but sometimes effective practices of the Indians and early settlers to the scientific methods of the present medical and nursing services of the state.

The material was assembled from old diaries, letters, records and unpublished recollections of hundreds of nurses, doctors and lay people.

Stories about Kansas people who played important parts in caring for the sick are found throughout the book. There are vivid and interesting accounts of the way sickness, deaths and births were managed in the days when the nearest doctor was ten or more miles away and there were no automobiles or telephones. The customs depicted and the hardships endured by the pioneer lay people, nurses and doctors in Kansas are not peculiar to Kansas but are common with those of other states on the plains which were settled in the same period.

The care of the sick among the Indians is described when the doctors were the medicine men and women of the tribes, their nurses were the midwives, and their medicines concoctions of herbs, mineral and animal matter. Much of the treatment was based on the idea that illness was caused by supernatural causes, such as evil spirits, which had entered the body or because the displeasure of the gods had been aroused. The treatment was directed to appease the gods or drive out the evil spirits.

With the coming of traders, missionaries, soldiers and agents of the United States government the real history of disease and treatment in Kansas began. The new diets were often inadequate. Sanitation was poor. Diphtheria, scarlet fever, smallpox, measles, whooping cough, mumps, typhoid fever and dysentery were always present, sometimes appearing in epidemics in virulent forms. Only in the worst cases was a doctor's advice asked.

When real settlement of Kansas began in 1854, Florence Nightingale was only beginning her work in the Crimea, and Lewis Pasteur and Robert Koch had not introduced the bacterial theory of disease. The methods used in caring for the sick were necessarily based on common sense or superstition. If word of illness arrived men and women alike were ready to help. Many stories are told in this book which illustrated this feeling of neighborliness. In most settlements one of the women with special aptitude was turned to in cases of illness. Stories of her skill would spread and the field of her activities broadened rapidly. These practical nurses were usually mothers. The practices of these frontier women were handed down from generation to generation.

Certain seasonal remedies were in vogue. Sulphur and molasses or sulphur in the form of brimstone were used to "thin the blood" in the spring. In late winter and early spring mothers hung small bags of asafetida around children's necks to protect them from contagious diseases which usually appeared in the spring. Some treatments used, such as tea leaves from the tea pot for burns, and pectin for wounds, have been justified by science. Some diseases such as malarial fever seemed to affect everyone. Quinine was used when obtainable but was not recognized as a specific for malaria. Many

people still living can recall having experienced many of the treatments described in this book.

A detailed account of nurses' training courses of the early Kansas hospitals is given. This includes stories of nurses' uniforms, of the long hours of work, of the scrubbing, laundering and gardening duties of student nurses and methods of teaching which were used. The contrast between hospital nursing in 1892 and modern hospital nursing in 1942 is brought out by the description of two days in the lives of nurses working in hospitals; one day in 1892 and one in 1942. This comprises the last chapter of the book.

The book tells the story of Kansas nursing and nurses from the local viewpoint. It is evident that it has been gathered from people who have actually experienced what has been described. Personal experiences of many people have been skillfully woven together, giving an interesting panorama of customs and hardships in meeting sickness, death and birth in Kansas from the days before Kansas became a state to 1942.

The print used is so small that it interferes with the ease of reading and makes an otherwise interesting book appear uninteresting.

—Jennie Williams.

A GAP IN EDUCATION

All of us would admit that there are many gaps in public education and that one of the constant jobs of educators is to see to it that the content of the school reflects the crucial issues that face our country at any particular time. One gap is a long-standing one and, unfortunately, attempts to remedy it are still fragmentary. Although our schools educate all the children of the people, although increasingly the trend in America will be toward the unionization of workers, it is rare indeed to find schools that give the worker and his trade union much consideration in the curriculum.

It is for school people, rather than for me, to develop the steps schools should take to meet the lacks and to remedy these unfortunate results. Let me, however, suggest some possible school activities which will, at least, indicate a direction for progressive educators to explore.

One obvious suggestion is that schools give children a chance to meet up with workers. Children of all ages are taking trips outside the school today. Let them see, not just the new housing project, but the men who are building it. Let them talk to the men so they can get a feel for the bricklayer as a person, so they can know what kind of man he is, how he lives, what worries him, what he likes. Children are constantly visiting factories. Let them meet the men and women who make these factories go. Too many trips tend to concentrate on the finished products, the cans of food or the bottles of milk, ignoring the people who work on the lines.

So, too, with the adults we bring into the classroom. The postman, the policeman, the famous artist are all familiar characters, but the garment worker, the steel worker, the painter, the plasterer also have something to contribute. If we are helping children to know who makes up their community, who the people of their country are, we must make sure that these more work-a-day people are also included.

Children in our elementary schools can at least have their education rounded out in these ways. Adolescents will want to go further. Getting a job is for many of them the most important question. It is vital for them to know working conditions, job prospects and vocational trends. Labor unions have in their files firsthand information that is valid and complete in many of these areas, information which at present vocational guidance people in high schools often ignore. Let's begin by having the guidance worker bring together the student and the intelligent labor leader so that the young people can use this first-hand source of information.—Mark Starr in Progressive Education.

PERSONAL DEBT

In 1910, the cost of government, local, state and federal, was less than 3 billion dollars. It will exceed 21 billion in 1942. The increase in taxation is not as serious as the increase in public debt, because after all, debts mean still higher taxation. We dare

not forget that from school district to Washington, every dollar of our present public debt of 73 billion dollars is a first mortgage on each individual in the Nation and the property in his possession. The present per capita debt in all branches of government is \$558, an increase of more than \$80 during the past 12 months. This means that every family of five persons has a public debt burden of \$2,790.—Louis J. Tabor in an address given at the Annual Session of the National Grange at Worcester, Mass.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

J. O. Faulkner, professor of English, discussed "Literature That Has Become World Famous" at a meeting of the Ladies' Literature club in Clay Center.

Dr. C. R. Omer, '29, was transferred by the United States Bureau of Agricultural Economics from Chicago to New York City, where he was doing inspection work on live poultry.

H. Leigh Baker, '22, principal of the Lawrence high school for two years, was awarded a fellowship at Yale university. He planned to enter the university in June to work for his doctor's degree.

TWENTY YEARS AGO

Edna St. John, '15, was professor of home economics at the North Texas State Normal college, Denton, Texas.

Dr. Henry J. Waters, editor of the Weekly Kansas City Star and former president of the College, was the principal speaker at the Phi Kappa Phi banquet given in honor of the new members initiated into that society.

Dr. T. M. Robertson, '97, Coffeyville, conducted a clinic at the annual meeting of the Southwestern Society of Orthodontists in Oklahoma City. Doctor Robertson also represented the Southwestern society at the annual meeting of the Orthodontists Society of America at Chicago.

THIRTY YEARS AGO

Prof. T. J. Headlee was appointed chairman of the committee on entomological investigations by the president of the American Association of Economic Entomologists.

Wilbur A. Cochel, professor of animal husbandry at the Pennsylvania State college, was chosen as head of the Department of Animal Husbandry at Kansas State College.

Ray Carle, '05, talked to the senior electrical engineers. Mr. Carle was the consulting engineer on a power plant which had been built in Washington, D. C., and he discussed the work connected with constructing this plant.

FORTY YEARS AGO

R. S. Kellogg, '96, was again in the service of the Bureau of Forestry, working in Arizona.

John B. Brown, '87, was made superintendent of the Morris training school for Indians at Morris, Minn. He was formerly at the Indian school at Pine Ridge, Neb.

Minnie L. Copeland, '98, was graduated from the Mitchell training school for nurses. This school was in connection with the Chicago Homeopathic college.

FIFTY YEARS AGO

President Fairchild attended a meeting of the state Board of Education in Topeka.

C. E. Wood, '79, of Denver, visited at the College. He had just returned from a three-month prospecting trip to Florida.

Professor Walters delivered the commencement address at Randolph before the schools of the northern part of Riley county.

SIXTY YEARS AGO

Professor Failyer was making some soil analyses for the land department of the Atchison, Topeka, and Santa Fe railroad.

Professor Shelton was absent from the College for several days while inspecting stock in Kansas with the object of buying stock for the College.

The Domestic Science club met at the home of Mrs. George W. Higinbotham. The election of officers resulted as follows: Mrs. George W. Higinbotham, president; Mrs. Mudge, vice-president; Mrs. George C. Wilder, secretary.

KANSAS POETRY

Robert Conover, Editor

OLD STABLE

By Scott Horton

This weathered stable, one among the few
Left anywhere, is useless now. No team
Of oxen and no shivering lambs have
Sought
A shelter there in years. The shingles
Rived
And laid by practiced hands have never
Sprung
A leak. The heavy timbers are as sound
As virgin oak. To let it stand and sag
To ruin as it will is waste. But, oh,
The shame of tearing any building down
While hapless children in the stricken
Lands
Are suffering because they have no
Roofs,
And homeless Marys coming to their
Hour
Would gladly lay their first-born in a
Bed
So safe as this wide manger, if they
Could.

Scott Horton of Wellington has had
verse published in many magazines,
newspapers, and anthologies.

SUNFLOWERS

By H. W. Davis

GOODBYE, PALS!

If you have any millionaire friends,
grapple them to you with hoops of
steel, as Bill S. would say. They are
on the way out.

If the \$25,000-limitation of income
goes through, and it or something
like it will, 40 years will be required
to build a millionaire. If he lives at
a rate of five thousand a year while
being assembled, it will take 50
years.

I confess a considerable ignorance
of millionaires and their ways. All
I know is that some of them have
been very picturesque, some of them
very public spirited, some a considerable
help to the government, and
some a great worry to us all.

Having circulated largely in pedagogical circles, the kind that goes
round and round, I have never been
granted the privilege of studying millionaires
at first hand. Whether they cheat
at cards, occasionally omit a few golf
strokes, love cats or dogs, kick about
the price of groceries, talk about
operations, nag their husbands, and
beat their wives, I know not. Whether
they marry young and often, or late
and once only, I cannot say.

In a way I shall be glad to see them
go. They are too expensive these
tight days. We can't afford them
while we are building battleships,
tanks, and airplanes. They corner
too much of the mazuma we need so
badly, use up too much gasoline, and
come in for too big a cut on the cokes
we drink and things like that.

In another way I shall be sad. Millionaires
are always doing the things we
should like to do: going places,
wearing costly furs, over-indulging
their children, throwing expensive
parties, building palaces, putting up
at ritzy hotels. If there is nobody
left to do these things, we may grow
content with our simple lot and lose
our ambition. Who is going to set
the styles for us paupers? Who is to
inspire us to work our fingers to the
bone for years that we may cavort
for a few days or weeks in a manner
to which we'd like to become accustomed?

I am sorry now I did not cultivate
more millionaires in my youth. Now
that they are slipping away, I regret
not seeking them out and trying to
understand them. Doubtless they
were human and had trouble with
their teeth and arches even as you
and I. Maybe if I had known them
better, I should have loved them.
(Walt Whitman, I think.)

But now they are fading with the
gadgets and thingumbobs their factories
made for us. They may never
come back. It was nice having them
around to yearn about. That, with a
few libraries and universities and research
foundations, is the only consolation
we have left.

WHEN RELIGION FADES

If religion fades, freedom and democracy
wither. If religious faith is
reborn, we have the first guarantee
of the perpetuation of our democracy.
Every church and every synagogue
becomes a sentinel of liberty. A
strong church is the defender of freedom
because it breeds the faith that
makes men free.—Arthur H. Comp-
ton in This Week magazine.

AMONG THE ALUMNI

George C. McDowell, B. S. '00, went to Russia in 1923 and was a member of Kizbas Industrial Missionaries. The address on record for him is Kemerovo, Tonisk Govt., Siberia.

Mame (Alexander) Boyd, B. S. '02, is pictured in the April issue of the Press Woman, as she helped plan the national convention of the National Federation of Press Women, Topeka. Mrs. Boyd was elected recording secretary of the Federation during the convention. She is state president and was general chairman of the convention, which was in Topeka April 23, 24, 25. Mrs. Boyd says her only claim to fame is the newspaper connections with the Boyd family. She and her daughters-in-law assist three husbands. A granddaughter, eight, has just been appointed editor of a school paper, engaging the third generation. She and Frank Boyd, f. s., still spend some time at their home in Phillipsburg but because of Mr. Boyd's work in Topeka, are addressed at 822 Buchanan, Topeka.

Bruce S. Wilson, Ag. '08, lives west of Manhattan on Cedar Knoll farm. He says he is farming on what is left of a 1,000-acre farm after Ft. Riley annexed 730 acres this spring. He has a son, Byron K. Wilson, Ag. '41, who is stationed at Camp Orange, Calif.

Vera Belle (Kizer) Lowe, H. E. '16, and C. O. Lowe, Washburn graduate, are at Osawatimie, Kan. Mrs. Lowe writes that she is doing home art work at present and resting after 18 years in printing, publishing, and newspaper work.

H. A. Hoffman, D. V. M. '17, is with the state department of agriculture, division of animal husbandry, in the State Office building, No. 1, Sacramento, Calif. Doctor Hoffman and Evelyn (Taylor) Hoffman live at 4425 Frances Court, Sacramento.

Frances J. Whitmire, H. E. '21, is a teacher in Southwest high school, Kansas City, Mo. Her residence address is 4555 Main, Kansas City.

Joe E. Beyer, E. E. '22, and Lura (Gregg) Beyer have a daughter, Beverly Jo, 9. They live at 304 West 17th, Hutchinson. Mr. Beyer, who is past president of the Lion's club in Hutchinson, is partner in the Hilton Electric company there. His partner in the business is H. O. Stockwell, whose daughter, Evelyn, is a freshman in home economics at Kansas State.

Major Lawrence W. Byers, Arch. '23, sent word the first of April of his safe arrival in Hawaii. His address is Box 132, Kukaiaua, T. H. His wife, Ada (Fullinwider) Byers, H. E. '24, and three daughters are living in Wilmington, N. C., where he formerly was stationed.

Joseph D. Buchman, Ag. '24, and Margaret (Reasoner) Buchman, I. J. '24, have four children—Robert Joseph, 12; Joan Margaret, 10; Jean Marie, 2, and Carl Jerome, now about 6 weeks old. They live at Paola, Kan., where Mr. Buchman is in the seed and feed retail and wholesale business. He is a director of the Citizens State bank.

Lester J. Schmutz, Ag. '25, M. S. '37, is farm superintendent at Ft. Hays, Kan. He is local coordinator of K. V. E. and N. Y. A. projects at Fort Hays State college. He and Ethel (McDaniel) Schmutz have two daughters—Betty Jean, 14, and Jacqueline, 9. The family lives on Route 2, Fort Hays.

Eugene L. Brady, E. E. '26, and Bessie (Smith) Brady, f. s., and children Betty and Dale live at 1014 Fayette St., Springfield, Ill. Mr. Brady is district engineer for the Illinois Bell Telephone company.

Mary Margaret Shaw, M. S. '26, is teaching nutrition at Washington State college, Pullman, Wash., during this spring semester. Last year she was acting head of the department of Foods and Nutrition at Utah State college, Logan, Utah. She sends her home address as 711 South Water Street, Wichita, Kan.

James F. Price, R. C. '27, Dean of the Law School, Washburn university, was last month appointed as chairman of the education committee of the Topeka Area Civilian Defense council. One of the important functions to be handled by Dean Price

and his committee will be the speakers division.

T. Russell Reitz, Ag. '27, is state director for the U. S. Forest Service, U. S. D. A., in Kansas and is assigned to the shelterbelt planting program in Manhattan, Kan. He and Helen (Plagge) Reitz live at 726 North Sunset, Manhattan.

Mabel (Anderson) Varner, H. E. '28, is at the Milner hotel, Kansas City, Mo. Her husband, L. L. Varner, is with the war department and is working on the Lake City Ordnance plant. Mrs. Varner formerly was NYA supervisor at Smith Center, Kan.

William N. Moreland, G. S. '28, is junior meteorologist with the Weather Bureau office, Albany, New York. In his work with the Weather Bureau, he has been stationed many places since graduation, among them Muskogee, Okla., San Francisco, Calif., and Washington, D. C. He called at the Alumni Office early this year on a trip through Manhattan.

Clara M. (Paustian) Cousins, G. S. '29, lives in Walla Walla, Wash. Mr. Cousins is educational director at the Christian church there. They have three children.

Jack Sanders, E. E. '30, is in the office of the gas superintendent at the Kansas Electric Power company, Emporia. Mr. Sanders is past president of the Chamber of Commerce and was outstanding young man of Emporia for 1941. He is a second lieutenant in the Kansas State Guard. He and Ava (Sircoulomb) Sanders live at 901 Constitution, Emporia.

Miriam G. Eads, H. E. '31, is extension specialist in nutrition at Michigan State college, East Lansing, Mich. Until this year she was a district home demonstration agent in the upper peninsula in Michigan. Her address in East Lansing is 631 Collingwood Drive.

E. May Harland, H. E. '31, writes, "I have left the Farm Security Administration to accept a position with the program surveys division of the Bureau of Agricultural Economics. I started work with the division March 16th, and will be traveling in many different states. My permanent address is 701 Kansas Avenue, Frankfort, Kan."

Clarence E. Brehm, Arch. '32, and Margaret (Gillespie) Brehm, f. s. '31, are at 725 Magnolia Avenue, Mt. Vernon, Ill. Mr. Brehm is a consulting petroleum geologist and geophysicist.

Thomas D. Dicken, Ag. '32, is assistant soil conservationist with the Soil Conservation Service at Ottawa, Kan. He and Ada (Hart) Dicken with their children, Sheila Joan, 7, David, 5, and Linda Kay, 1, live at 1021 South Hickory in Ottawa.

F. Dean McCammon, Ag. '32, writes, "I now am living in Hutchinson and am employed as secretary-treasurer of the Kansas Farmers Cooperative association. Both Mrs. McCammon and myself like our new home just fine."

"The most important item which I wanted to mention is the fact that we have another boy, born last November 29, named Stephen Francis McCammon. You know that Doug is a little over seven now."

"Are you having a 10-year get-together this year? It doesn't seem like it but that's how long I've been out of K-State."

R. R. Roepke, I. C. '33, M. S. '34, received his Ph. D. from the University of Minnesota in 1938 and is now biochemist with the American Cyanamid company in Stamford, Conn. His address in Stamford is 22 Glenbrook Rd.

Olyn D. Calhoun, Ag. '34, is now teaching vocational agriculture for the fifth year at Ellis high school. He and Nina Mae (Eshbaugh) Calhoun, f. s. '28, R. N., have a son, O. D., Jr., who is 6.

Robert L. Evans, E. E. '35, is meter man for the Kansas Power and Light company, Lawrence. He has been there five years and expects to enter the Naval Reserve Corps soon. His present address in Lawrence is 927 Louisiana.

Edmund P. Marx, G. S. '35, M. S. '37, and Emma (Storer) Marx, I. J. '35, reported that their plans to move to Dallas, Texas, had been changed since Mr. Marx "left the government service for a job here at Stout Institute, Menomonee, Wis., where he is head of the education department. He likes teaching so much better and

is right in his element here. I notice at least one K-Stater on the faculty and probably will meet others later. We are just 60 miles east of St. Paul—a lovely country."

Kenneth W. Miller, Ag. '36, writes, "Please change the address for my copy of THE INDUSTRIALIST from Amarillo, Texas, to 222 Mercantile Bldg., Berkeley, Calif. I'm still with the Bureau of Agricultural Economics, and will be working mostly in Oregon during the next few months."

Paul H. Nelson, Ag. '36, and Madeline (Ferris) Nelson, H. E. '36, write, "We moved to the farm during December where we have a general livestock program under way. We purchased some land near McPherson and will operate it. Our address is Route 4, Box 116, McPherson."

Marian Norby, G. S. '37, who is secretary to the chief of the division of manuscripts, Library of Congress, in Washington, D. C., writes, "New buildings are shooting up all over Washington—temporary buildings—not very attractive in my estimation. There are still some of the temporary buildings that were never razed after the last war. Some of these on the lovely wide green expanses in Washington are certainly ruining it as a show city—the restful landscaping is being turned wrong side up to make foundations for buildings and more buildings. Traffic jams are unbelievable, they remind me of the traffic around the stadium at Manhattan after the Homecoming game—only all of Washington is like that all the time." She lives at 2310 Ashmead Place, N. W., in Washington.

Paula (McDaniel) Carlson, H. E. '37, was recently recognized for her outstanding work in the Girl Scout organization. Her activities began in that line during elementary school and continued through college when she acted as camp councilor for various scout camps. After her graduation she attended a professional Girl Scout training school in Pleasantville, New York. From there, further training was taken at Asilomar, Calif. This training led to professional work as a field secretary in Pasadena, Calif., and as an executive secretary in Riverside, Calif.

The Carlson family moved to 1531 Leavenworth, Manhattan, two years ago, as L. V. Carlson, f. s., is employed by the Universal Securities company here. She is part-time executive secretary for the local organization, has a daughter, two and one-half years old.

D. Dean Dicken, Ag. '37, is working on his master's degree at the University of Illinois, Urbana. He and Elizabeth (Holmes) Dicken, f. s., with their 3-year-old daughter, Barbara, live at Donnellson, Ill.

David G. Willich, E. E. '38, was drafted into service last January and is now stationed at Ft. Leonard Wood, Mo. He was formerly test engineer for the American Gas association, Cleveland, Ohio. His home address is Hamlin, Kan.

Thelma A. Harman, H. E. '38, writes of her work, "I am a dietitian both with the Red Cross and the Civil Service. Overseas we dietitians and other civilians have the same social status as second lieutenants."

"I know of no other alumni here at Ft. Meade, Md. At Ft. Jackson, S. C., I knew a Capt. William Dietrick in the veterinary corps of the station hospital."

E. Malcolm Strom, Ag. '39, writes that he now is a private at Ft. Leavenworth, Kan. He was inducted into the army last December.

Maxine (Bishop) Walrafen, H. E. '41, writes, "My husband, Gerald Walrafen, f. s. '41, and I are living in the apartment dormitory of the Arkansas State Teachers' college while he is employed as the architect's superintendent on a housing project here in Conway. It seems quite natural to be so close to campus life since it was only a few months ago that we were at Kansas State. However, we find the campuses very different and still think our own Kansas State campus is much prettier. We enjoy reading THE INDUSTRIALIST each week. Please change our address to Wingo Hall, Conway, Ark."

Howard E. Eberline, E. E. '42, is employed by the Santa Fe Railway company as test department assistant. His address is 612 Tyler Street, Topeka, Kan.

LOOKING AROUND

KENNEY L. FORD

To the Class of '32:

Egad, has it been 10 years! Where have all those years gone? Or do you feel that way?

Probably some things that have happened to you, in the decade since our class was loosed in a world in the dulllest of doldrums, left impressions that you can recall easily even now in a world gone mad.

Yes, the 10 years that have gone by since we parted collegiate company have wrought many changes, not the least important of which is the climb from zero or worse on the economic scale then to the current high.

Among those changes must be listed our present transportation and travel restriction. This may be regarded by many of you as the reason why you can't come back to Manhattan for our tenth year reunion this spring. Some of you will have other reasons. But, there's another way to look at it. This year's reunion is significant for several reasons. And, if you're honest with yourselves, you can think of at least as many as I. Let's come back.

I bet if those of our gang who are in our country's armed forces didn't have such a big job on their hands—if they could just spare the time—they'd really like to come back and see the old gang. How about it, fellows? But we who for various reasons are not, or cannot, be out there helping to set the "rising sun" and blow out the lamps for a couple of perverted smart alecks who are spoiling things for a lot of good people a little farther around on the other side of the world—we're going to be thinking pretty seriously about some of the boys who are "there" when re-union time comes.

And since we don't know how many more such occasions we'll get in on, we want to see as many of the Class of '32 this year as we can.

Let Kenney Ford know right away if you're coming—and if you absolutely can't come, send a letter that those of us who do come can read on May 23, Alumni Day, 1942.

Sincerely,
James P. Chapman.

MARRIAGES

WATKINS—ESHELMAN

Olga E. Watkins was married to Aven L. Eshelman, C. E. '41, on March 15. Mr. Eshelman writes that he is employed as steel engineer on the construction of Camp Gruber cantonment, Braggs, Okla. Their address is 525 North 6th, Manhattan Court Apts., Muskogee, Okla.

McBURN—HAZEN

Arla McBurney, G. S. '31, became the bride of Gene Hazen, f. s. '38, April 12 at the home of the bride's mother, 1419 Laramie, Manhattan. They will live at 1447 Anderson, Manhattan. Mrs. Hazen taught in the Hardtner and Circleville high schools and for the past year has been employed in the finance office at Fort Riley. Mr. Hazen, an electrician, also has a civil service position at Fort Riley.

VAN ORSDOL—FINK

The marriage of Margaret Van Orsdol, H. E. '35, to Sgt. Richard J. Fink took place in the Saint Joseph church in Boonville, Mo. April 8. They left immediately for a trip through the Southern states and will be at home near Camp Blanding in Florida, where Mr. Fink is a sergeant in the medical detachment. Mrs. Fink has for the past five years been home demonstration agent in Cooper County, Mo.

DEARBORN—COLBY

Ermal I. Dearborn, G. S. '39, and Charles A. Colby were united in marriage April 18, at the First Presbyterian church in Hutchinson, where both are employed. For the past year and a half, Mrs. Colby has been technician at the Gage Hall clinic in Hutchinson. Mr. Colby is a graduate of Hutchinson junior college and Washburn college. At present he is bookkeeper for the Security Elevator Co. in Hutchinson.

CUNNINGHAM—WOELFER

Helen F. Cunningham, Kansas City Teachers college, '34, and Lt. Carlyle P. Woelfer, M. I. '41, were married June 29, 1941, at Kansas City, Mo.

After serving tours of duty at Ft. Riley, Kan., and Portland Air Base, Portland, Ore., they are stationed with Headquarters 55th Pursuit Group (I)-AAF Paine Field, Washington. Lieutenant Woelfer was promoted to first lieutenant, Air Corps, February 1, 1942. His principal duty is group armament officer. He writes, "The scenery in this area is quite different from anything in Kansas. We live right on the edge of Puget Sound and the sunsets are certainly beautiful over the waters. We see snow-clad mountains in all directions from the field."

"We enjoy receiving THE INDUSTRIALIST as it gives us an idea of what our schoolmates are doing and what's going on at old K-State."

BIRTHS

A son, John Hunter, was born to Hunter P. Davis and Golda Pearle (Haas) Davis, M. S. '33, on March 12. They live at 5310 Rockhill Road, Kansas City, Mo.

Eugene Cleland, Ag. '40, and Maude (York) Cleland of Strahan, Iowa, announce the birth of a son, David Eugene, April 4. Mr. Cleland teaches vocational agriculture in Strahan.

Paul W. Griffith, Ag. '34, and Dolly (Hudson) Griffith announce the arrival of Brenda Jo on April 7. They are at Clay Center, where Mr. Griffith is extension economist in the farm bureau office.

Lt. Robert C. Foulston, Jr., G. S. '40, and Mary Jo (Rhine) Foulston, H. E. '41, are parents of a boy born April 10. They are at Route 1, Box 584, Monterey, Calif. Lieutenant Foulston is stationed at Fort Ord.

Ray W. Morrison, Ag. '41, and Norma (Simons) Morrison, f. s. '41, have a daughter, Nancy Raye, born March 8. Mr. Morrison this year taught vocational agriculture at Alma and will teach next year at Clay Center.

Edgar Durham, G. S. '27, and Welthalee (Grover) Durham, H. E. '28, have a daughter, Joan Ellen, born April 3. They have a son, Grover Hugh, 5. Mr. Durham is regional finance supervisor for the National Youth Administration at Denver. Their residence address is 1335 Monaco St., Denver.

Willard L. McFillen, Ag. E. '33, and Nellie (Dilsaver) McFillen, H. E. '31, have sent announcement of the birth of a son, Ralph Willard, on January 30 at Parsons. They have one other son, Roger, who is almost 4. Mr. McFillen is in the Soil Conservation Service as district conservationist of Labette county. They live at 1217 Appleton in Parsons.

RECENT HAPPENINGS ON THE HILL

A tea at the home of Dean Margaret M. Justin of the Division of Home Economics Sunday afternoon concluded a training conference of freshman counselors for new home economics students next fall.

One hundred twenty Kansas State College employees, deans, professors and janitors, all between the ages of 45 and 65, registered in Engineering hall for the fourth national selective service registration last week.

Charles Jerome Goltzbach, Paxico, will receive \$10 from Phi Beta Kappa, liberal arts honorary society, as an award for being the highest ranking senior in the Division of General Science at Kansas State College.

A refresher course for officers of student organizations is scheduled for May 12. The annual conference sponsored by Mortar Board, senior women's honorary society, is designed to help new officers learn their duties and how best to carry them out.

Twenty-three social fraternities and sororities raised voices in song at the annual interfraternity sing last Wednesday. H. Miles Heberer, professor in the Department of Public Speaking, was master of ceremonies, and Margaret Ann McClymonds, Lincoln, Neb., and Herbert Vanderlip, Manhattan, were in charge of the program.

NATIONS NEED SPIRITUAL VISION, MACFARLANE SAYS AT ASSEMBLY

'NOT BY BREAD ALONE' IS TOPIC
OF EMPORIA DEAN

Annual Recognition Day Brings Citations for Some 300 Students; New Mortar Board and Prix Members Named

In order for a country to survive, it must have a great spiritual conception. This was the thought Dr. David L. MacFarlane, dean of men at the Kansas State Teachers college at Emporia, left his student-faculty audience at the Recognition assembly Thursday when approximately 300 Kansas State College students were recognized.

"You can't destroy an empire that is built on eternal truth," Doctor MacFarlane pointed out in his speech, "Not by Bread Alone."

MORTAR BOARD 'TAPS'

He cited historical examples of nations that have lived and fallen and of nations that have lived in the thoughts of men because they were spiritual-minded. Nations that lived and depended only on material things fell and were soon forgotten. Laughter, humor, love, truth and beauty, said Doctor MacFarlane, were the spiritual and important things in life.

Preceding Doctor MacFarlane's address, 14 new members of Mortar Board, senior women's honorary, were presented in the organization's annual tapping ceremony.

The new members are Jean Alford, Kansas City, Mo.; Mary Margaret Arnold, Manhattan; Margaret Bayless, Wakarusa; Patricia Beezley, Girard; Faye Clapp, Manhattan; Edith Hanna, Manhattan; Margaret L. Hill, Topeka; Mary Anne McNamee, Cunningham; Marcella Norby, Cullison; Hermagene Palenske, Alma; Carol Stevenson, Oberlin; Patricia Townley, Abilene; Merna Dee Vincent, Alden; and Betty Lou Wiley, Tonganoxie.

FOUR FROM MANHATTAN

New members of Prix, junior women's honorary, were named on the assembly programs. They are Jean Babcock, Manhattan; Mary Margaret Bishop, Haddam; Betty Brass, Wilmore; Mary Cawood, Wetmore; Virginia Gemmell, Manhattan; Willa Haverly, Topeka; Maryellen Henderson, Kansas City, Mo.; Harriet Holt, Ellsworth.

Lillian Hoover, Manhattan; Mary Jean Johnson, Ellsworth; Mary Margaret O'Loughlin, Lakin; Helen Ramsour, Junction City; Nan Speery, Overland Park; Emma Louise Thomas, Hartford; Jean Werts, Smith Center; and Ellen Yeo, Manhattan.

Awarded Assistantship

Eugene Oakberg, New Windsor, Ill., has received a research assistantship in genetics at Iowa State college, Ames. Oakberg, graduate assistant in the Department of Zoology, will receive his master's degree this spring.

Buy Defense Bonds

Members of the Cadet Officers' club of the Kansas State College R. O. T. C. organization have purchased four \$100 war bonds, it was announced today.

To St. Louis Meeting

Prof. J. C. Peterson and Prof. M. C. Moggie of the Department of Education attended a meeting of the Midwestern Psychological association in St. Louis Friday and Saturday.

Set Fund Goal at \$500

A goal of \$500 was set for contributions by Kansas State College students for the World Student Service fund in the drive Monday and Tuesday. Jean Werts, Smith Center, chairman of the all-campus committee for the drive, said that it was the only one that had been authorized by the campus chest committee.

CAMPUS CANTEN CORPS WILL SERVE 150 'REFUGEE' WOMEN HERE TONIGHT

Emergency Feeding of A. A. U. W. Members Will Be Final Examination for 46 Students in Red Cross Training

Campfires will burn on the College campus this evening as a canteen group cooks and serves spaghetti and coffee to a "breadline of 150 women refugees."

But it will all be in fun! The canteen corps will be composed of 46 students taking Red Cross training; the meal will be their final examination; and the mock refugees will be members of the American Association of University Women enjoying their annual picnic.

The students, originally expecting certificates as canteen aides, instead will receive more advanced certificates as members of the Canteen corps, Mrs. Bessie Brooks West, head of the Department of Institutional Management, has been advised. This is due to their specialized courses in the department and in dietetics.

While this will be the second meal served out of doors by the group, it will be the first to be cooked in the open over the campfires, which will be laid east of the formal gardens. Previously they fed the residents of Van Zile hall.

The students will be allowed one hour in which to prepare and serve coffee, spaghetti with meat, cabbage and pineapple salad, cheese sandwiches and oranges. Huge lard cans will be utilized as cooking utensils as the group learns actual procedures in feeding large groups of persons. They will be equipped to take charge in case of disaster, whether it is caused by war or by fire, flood or storm.

The picnic supper will climax the work of the second group to receive canteen training on the campus this semester. The former was composed of 34 experienced dietitians of the state who attended a three-day refresher course here in April. Both groups were taught by the staff of the Department of Institutional Management following specifications set up by the Red Cross.

SECOND PRODUCT INSPECTION SESSION WILL OPEN MAY 11

Defense Training Course Prepares Students for Industrial Jobs

The second session of product inspection, latest defense training course at Kansas State College, will open May 11, according to Prof. W. W. Carlson, defense training supervisor. The first session of product inspection started April 13, with an enrolment of 18 students, 15 of whom were women.

Product inspection is the first course of this type to be offered by the defense training program in its 15 months' existence. High school graduation is the only prerequisite for this course. Either men or women are eligible to enrol.

The course prepares the students primarily for inspection work, but it is broad enough to include training in operation of machines on a production line, Professor Carlson said.

DR. MYRON W. HUSBAND RESIGNS POSITION OF COLLEGE PHYSICIAN

DR. J. W. HANSON WILL SUCCEED
DEPARTMENT HEAD

Dr. Ruth Montgomery-Short Also Leaves; Student Health Director to Duty with the U. S. Veterans Administration

The resignation of Dr. Myron W. Husband, who since 1935 has been College physician and head of the Department of Student Health, has been announced by President F. D. Farrell.

Doctor Husband, whose resignation will become effective May 31, will be replaced by Dr. John W. Hanson, assistant College physician since September 1, 1940. Doctor Hanson was awarded a bachelor of arts degree by the University of Minnesota in 1930 and a doctor of medicine degree by the same institution in 1933. His new appointment here will become effective June 1.

MEDICAL SOCIETY NAMES HANSON

President Farrell also announced the resignation of Dr. Ruth Montgomery-Short, effective April 30. Doctor Montgomery-Short, who has been assistant College physician since 1938, left to become associated with an eye, ear, nose and throat specialist of Wichita. She has a bachelor of science degree from Washburn university, awarded in 1932, and a doctor of medicine degree from the University of Kansas, awarded in 1937.

Doctor Montgomery-Short was secretary treasurer of the Riley County Medical society. At a recent meeting of the society, Doctor Hanson was named to succeed her.

HUSBAND TO MINNEAPOLIS

Doctor Husband has received an appointment as medical officer in the United States Veterans administration. He will assume his new duties at the Veterans hospital at Minneapolis, Minn., June 1. He said he did not yet know the exact nature of his work with that organization.

The Veterans administration, largest medical branch of the federal government, cares for veterans and returning wounded soldiers, as well as providing medical care for certain government departments.

GOLD KEYS TO STUDENTS FOR WORK ON TWO ALL-COLLEGE PUBLICATIONS

R. R. Maplesden of Scholastic Editor Speaks at Banquet Tuesday at Manhattan Country Club

The Board of Student Publications honored 29 students who have done outstanding work on the two all-College publications, the Collegian and the Royal Purple, at a banquet at the Manhattan Country club Tuesday night. During the program, each of the students received a gold "K" key.

R. R. Maplesden, editor of the Scholastic Editor, national magazine for student publications, spoke to the guests on "School Publications and the War." Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing, was toastmaster.

Student speakers on the program were Kendall Evans, Berkeley, Calif., present editor of the Collegian; Marjorie Rogers, Manhattan, editor of this year's Royal Purple; and Martha Payne, Manhattan, member of the publications board.

Students who received the awards for work on both Royal Purple and Collegian were: Grace Christiansen, Columbus; Donald Richards, Manhattan; Robert Rathbone, Manhattan; Mary Margaret Arnold, Manhattan; and Betty-Lee Beatty, Ellsworth.

Those receiving awards for work on the Collegian were Kendall Evans, Berkeley, Calif.; Jack James, Mayetta; Arlene Shoemaker, Kansas City, Mo.; Dick Remington, Hutchinson; B. L. Hancock, St. Francis; Hurst Majors, Manhattan; Margaret Mack, Manhattan; Bob Gahagen, Manhattan; Ed Potter, Oswego; Robert Hilgendorf, Lincoln; and William Hall, Phillipsburg.

Royal Purple awards were given to Marjorie Rogers, Manhattan; Peggy McClymonds, Lincoln, Neb.; Jack Thomasson, Belleville; Lois Hodgson, Little River; Ann Ford, Brookings, S. D.; Faye Clapp, Manhattan; Audrey Durland, Manhattan; Jack Curtis, Garden City; Betty Whitney, Manhattan; Marian Darby, Kansas City; Mary Margaret O'Loughlin, Lakin; Dave Lupfer, Larned; and Bonnie Callahan, Abilene.

1942 COMMENCEMENT CALENDAR

Class Reunions

'77	'12
'82	'17
'87	'22
'92	'27
'97	'32
'02	'37

SATURDAY, MAY 23

Alumni Day

- 10-12 a. m. Alumni registration, Recreation Center.
- 12 noon. Class luncheons.
- 2 p. m. Alumni business meeting, Recreation Center.
- 6 p. m. Alumni-Senior banquet, Nichols Gymnasium.

SUNDAY, MAY 24

- 4 p. m. Commencement Recital, Auditorium.
- 7:10 p. m. Academic procession.
- 7:30 p. m. Baccalaureate services, Memorial Stadium. Address by Dr. Remsen B. Ogilby, President of Trinity College, Hartford, Conn.

MONDAY, MAY 25

- 3-4:30 p. m. Alumni-Senior reception, President's residence.
- 7:10 p. m. Academic Procession.
- 7:30 p. m. Graduation Exercises, Memorial Stadium.

AGRONOMIST URGES GREATER FLAX PRODUCTION IN KANSAS

C. D. Davis Says Supply, Demand Conditions Look Profitable

Eastern Kansas farmers can increase flax production to a good advantage this spring, according to C. D. Davis, associate professor of agronomy at Kansas State.

United States has been importing more than 10 million bushels of flax seed annually, but this year shipping conditions make it impossible to get as much flax from Argentina, the principal exporter, to this country.

Kansas ranked sixth in flax production last year and can produce still more if good seed and proper seedbed preparation are used, Professor Davis said. Flax production in Kansas should be limited to the eastern one-third of the state. In planning the rotation, flax should follow a legume such as soybeans or sweetclover. Proper seedbed preparation will conserve moisture and also control weeds. "It is these two things that cause more flax crop failures than all other factors combined," Professor Davis pointed out.

Linota and Bison varieties are recommended for Kansas. They should be planted as early in the spring as possible and at the rate of 40 to 50 pounds an acre. Following these practices of flax production will put flax on a more profitable basis from the farmer's viewpoint, Professor Davis predicted.

MAJOR GENERAL ADAMS: SERVICE IN CHINA, PHILIPPINE ISLANDS, FRANCE, UNITED STATES

(Continued from page one)

was assigned to duty at Base Section 5, Brest, where he earned the Distinguished Service Medal and was promoted to colonel (temporary) on May 6, 1919. He left Base Section 5 August 31, 1919, and served at Camp Ponteneze to December 10, 1919. He returned to the United States December 21, 1919, and served as assistant to the Depot Quartermaster, Jeffersonville, Ind., to August 21, 1920. He had reverted to his permanent rank of captain on May 7, 1920, but on July 1 of that year he was promoted to major. He served as assistant personnel adjutant and adjutant, Headquarters, Sixth Corps Area, Chicago, until October 10, 1920, and at Ft. Sheridan, Ill., to October 11, 1921, and again in Chicago to October 18, 1922.

He was then ordered to Washington for duty in the Office of the Adjutant General, where he remained until July 15, 1926, being promoted to lieutenant colonel on January 2, 1926. He was assistant Adjutant General, Fourth Corps Area, Atlanta, and Ft. McPherson, Ga., until June 24, 1929, when he returned to the Adjutant General's Office, Washington, to serve as executive officer until June 8, 1933. He was assistant Adjutant General, Ninth Corps Area, until August 22, 1936, having been promoted to colonel on September 1,

WILDCAT NINE OUT OF DOLDRUMS TO VANQUISH JAYHAWKERS TWICE

BASEBALL TEAM BREAKS LOSING
STREAK AT SEVEN

Kansas State Trackmen Also Overwhelm Downstream Foe, 81-50, in Dual Meet at Lawrence Monday; Take Eight Firsts

The Wildcat baseball team came back into winning form early this week to place its record of Big Six victories at three and to snap a seven-game losing streak, winning two victories from the University of Kansas.

Pitcher Clarence "Huck" Heath, Leoti, hurled a two-hit, 7-0, shutout over the Jayhawks to turn in the outstanding performance of the double bill Tuesday afternoon on the Wildcat diamond.

DOYEN FANS 15

On Monday night, the Wildcats, after trailing into the sixth inning, evened the score when a single by Ray Rokey, Sabetha, sent Neal Hugos, Manhattan, scampering home with the tying run. In the eighth two more runs gave the home team its winning tallies. The final score was 8-6.

Lee Doyen, Rice, fanned 15 Jayhawk batters during the game, played under the lights at Griffith stadium.

TAKE SIX EVENTS

In Lawrence Monday afternoon, the Wildcat trackmen garnered eight firsts and a forfeit to sweep a dual meet with the Kansas university tracksters, 81-50.

K-State runners led the way in the track events, sweeping six of the races. The Jayhawk group was able to win only two. In the field events, however, the Wildcats were held to two first places. The discus throw was won by Dick Peters, senior from Valley Falls, and the broad jump was won by John Fieser, Norwich.

Al Rues, Parker, Ed Darden, Manhattan, and Jim Upham, Junction City, led the Wildcat scoring with two firsts each. Charlie Black, Kansas university, scored 13 points to lead the pointmakers in the meet.

LT. COL. THOMAS HOLMES TO STUDY AT LEAVENWORTH

Associate Professor Will Attend Command and General Staff School

Lt. Col. Thomas Holmes, associate professor in the Department of Military Science and Tactics, left Thursday to attend Command and General Staff school at Leavenworth.

During his absence of nine weeks, Capt. E. L. Andrick will command the Infantry units at the College and teach Colonel Holmes' classes in advanced military, while Lt. G. E. Fairbanks conducts his freshman classes.

At Leavenworth, Colonel Holmes will study G-3-plans and training which take care of operations during actual combat.

EVERYDAY ECONOMICS

By W. E. GRIMES

"A bank check involves at least three individuals or agencies."

More than 90 per cent of the transfers of funds in the United States are made by use of the bank check in one of its various forms. A bank check involves at least three individuals or agencies. It is an order for the bank to pay, so the bank is involved. In addition, there is the one who is to receive the payment and the one who signs the order to pay and against whose bank account the payment is to be charged.

The bank is the drawee, the signer is the drawer, and the one receiving the payment is the payee. In this triple arrangement, many people often forget the drawee or bank and think only of the two other persons

involved. Banks are taken for granted. However, they did not always exist. They are a development of relatively modern business. They provide many services for the drawer of checks and also for the payee. Many of these services are rendered without specific charges for them. This arrangement is possible because of interest charges. If interest were not paid on funds that are borrowed in the form of notes or in the form of bonds of governments and corporations, banks could not exist and render the services they now render under the conditions these services now are available.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, May 13, 1942

Number 29

PLAN TO OPEN KANSAS STATE'S WAR INFORMATION LIBRARY SOON

**MATERIALS WILL BE AVAILABLE
TO PUBLIC JUNE 1**

**Pamphlets, Books and Other Sources
Are Being Filed and Catalogued
for General Use; Center in
Anderson Hall**

Kansas State College's War Information library in Room 3 of Anderson hall will be opened to the public for the first time June 1, Prof. George Gemmell, head of the Department of Home Study, announced today.

Material is being organized rapidly for the library, which will be one of two in Kansas, Gemmell explained. Kansas university also is cooperating with the Federal Office of Education in Washington.

FURNISH READING ROOM

Material is being received from more than 100 separate agencies in this country, Canada, England and Australia. The department expects to receive books, pamphlets and papers from many other sources after the program is in full swing. The purpose of the War Information library program, which is receiving support from colleges and universities throughout the nation, is to help the public become better acquainted with the international and national problems confronting the United States in a world at war.

Racks, tables and files have been purchased by the home study department for use in the reading room. The material received will be card catalogued under general headings, said Prof. Jesse M. Schall, information librarian.

COOPERATE WITH K. U.

The Kansas State Extension Service will join with the Kansas university section this summer in organizing a series of round-table and panel discussions, as well as speeches from prominent national persons, at Lawrence in June. In return, K. U. will cooperate with Kansas State in a similar undertaking here next fall. The information library here is entirely separate from the regular College library.

Professor Schall stated that library hours had not been definitely arranged, but they would be in the afternoons. The reading room will have accommodations to seat 50 persons at one time.

Information has been received from such well known agencies as the United States Chamber of Commerce, Child Labor committee, American Social Hygiene association, Latin American league, Foreign Policy association, Public Affairs committee, Civil Liberties union, Oxford press and the Office of Government Reports.

COUNCIL NAMES STUDENTS TO NEWLY CREATED BOARD

**Beth Sirridge, Jack Cornwell in
Organizations Control Group**

Beth Sirridge, Topeka, and Jack Cornwell, St. John, were appointed by the Student Council last week to positions on the new Board of Control of Student Organizations.

Faculty members of the new board created by the Council in April are Dr. Harold Howe, professor in the Department of Economics and Sociology; Miss Grace Derby, assistant librarian; and Louis P. Reitz, associate professor in the Department of Agronomy.

Members of the Student Apportionment Board are Edward Hellmer, Olpe; Robert Schreiber, Garden City; and Carol Stevenson, Oberlin. Charles Whiteman, Carrollton, Ill., was made a member of the K-Book committee, on which the YWCA and YMCA will each be represented.

Hear Doctor Hanson

Dr. J. W. Hanson, assistant physician in the Department of Student Health, spoke on "The Control of Communicable Diseases" last week at a meeting of all Red Cross home nursing classes.

MRS. ALICE VAIL WAUGH HAS OUTSTANDING RECORD AS HOUSEWIFE AND MOTHER OF SIX

An award unusual in academic citations will be made to one of America's outstanding mothers and housewives May 25, when Kansas State College in Manhattan confers the degree of Master of Family Life upon Mrs. Alice Vail Waugh of Amherst, Mass.

The degree, only one of its kind ever to be granted by Kansas State and one of a very few similar ones ever awarded in the country, will come as a recognition of Mrs. Waugh's success in making a home for her husband, Dr. Frank A. Waugh, recently retired as professor of landscape gardening at Massachusetts State college, and her children.

In addition to raising a family of six children, each of whom is well known in his field, Mrs. Waugh, who was graduated from Kansas State College in 1898, has maintained an active interest in a wide variety of fields. She has studied art in Europe and several New England artist colonies and used her ability in this field to provide artistic surroundings for herself and her family.

She has had experience as a teacher and has been active as a civic leader. Her interest and activities have extended to the humanities, economics, finance, social service, fine arts, literature, music, diplomacy and travel, in addition to her active record in the crafts and science of homemaking.

The Waugh home in Amherst has long been distinguished for its quietness, dignity, good housekeeping, hospitality and good taste.

It is said of the Kansas State grad

of 50 years ago that she learned to dance and drive a car after she had passed her fortieth year.

The Waugh's eldest son, Dan, has spent some 20 years abroad, in England, India, Japan and the Philippines. He is an able linguist and a student of Oriental commerce and literature.

Dorothy, oldest daughter of the Waugh's, is children's editor for Alfred Knopf, publisher, with a home in New York.

Fred Waugh is an agricultural economist, since 1928 with the U. S. Bureau of Agricultural Economics, with his home in Washington.

Esther Waugh Gillette of Weston, Mass., has been consulting dietitian for the Boston Social Service bureau. She was graduated from Kansas State in 1922.

Albert is a professor of economics at the University of Connecticut and the author of two recent college textbooks in the field of statistics.

Sidney, youngest of the Waugh children, is one of the nation's leading young sculptors. He studied in France and Italy and won the Prix de Rome in 1929, other art prizes and international fame as an American sculptor of heroic figures. His work includes "The Guardian" for the Federal Archives building in Washington and "The Stage Driver" for the U. S. Postoffice building. He is represented in the Metropolitan museum of New York, the Chicago Art institute, the Victoria and Albert museum of London, the Collection of the King of Italy and other collections.

FRANK ROOT, JR., FORMER STUDENT, KILLED AT SEA IN PLANE ACCIDENT

**Son of Onetime Head Basketball Coach
at Kansas State Was on Campus
between 1936 and 1939**

Frank P. Root, Sr., of Manhattan, received a telegram recently from the adjutant general's office in Washington notifying him that his son Frank P. Root, Jr., 23, had been killed in an airplane accident at sea in the Atlantic area April 23. There were no details of just how the accident occurred, except that it was not due to enemy action. The exact location was not given.

Young Root was a graduate of Manhattan high school and attended two and one-half years of College here between 1936 and 1939. He completed his college work at Columbia university in New York, receiving a degree in industrial chemistry. He was a member of Delta Tau Delta fraternity and the Elks club, and was particularly well known for his xylophone playing abilities. He appeared numerous times as soloist in summer concerts.

The Manhattan young man had been in the Army Air Corps service a year, and got his wings as a pilot several months ago at Montgomery, Ala. He was commissioned a second lieutenant.

His father, Frank Root, Sr., who was head basketball coach at Kansas State for many years, is well known to alumni members.

Frank P. Root, Jr., was born August 25, 1918. Surviving in addition to his father are his widow, of Brooklyn, New York; his mother, Mrs. Joseph W. Blair, Long Island, New York; and one brother, Richard C. Root, of New York City.

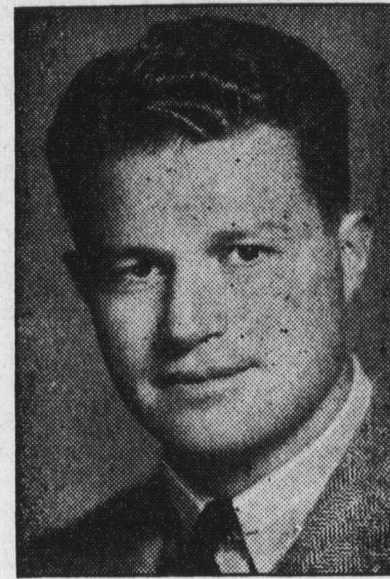
Ahearn Discusses Athletics

Prof. M. F. Ahearn, head of the Department of Athletics, discussed the Kansas State College athletic program for 1942-43 at the faculty meeting of the Division of General Science Tuesday.

Addresses Mothers' Club

Miss Louise Everhardy, associate professor in the Department of Art, talked before the Faculty Mothers' club last week on "The Navajo Mother."

To Train Naval Airmen



Jack Gardner, for three seasons head basketball coach at K-State, will report May 20 to the U. S. Naval Academy at Annapolis for a month's indoctrination course before joining the physical training and coaching staff of the Navy's air training program.

CAMPUS CAMPAIGN FOR WAR BOND PLEDGES ANNOUNCED BY PRESIDENT

**In Letter to Staff Members Doctor Farrell
Encourages Contribution
to War Effort**

President F. D. Farrell has announced plans for a Kansas State College campus campaign to obtain pledges for the purchase of war bonds and stamps, as across the entire nation the vast drive for voluntary sale of the bonds and stamps gets under way.

In a letter to every member of the College staff, President Farrell explained the purposes of the campaign and the procedure which would be followed and declared:

"I trust that each member of the College staff will regard the campaign as an opportunity to contribute voluntarily to the war effort—and to invest savings—in accordance with his financial ability."

Each member of the staff, he said, will be called upon soon by a departmental representative with pledge forms.

The campus campaign will be directed by a committee composed of Dr. George Gemmell, chairman, Miss Alpha Latzke, Dr. Fred Parrish, Prof. R. F. Gingrich, Dean R. R. Dykstra and Dr. Harold Howe. Dean E. L. Holton is a member of the Riley County committee, with which the College committee will cooperate.

SHEPHERD'S PURSE, MENACE TO LAWNS, EASILY CHECKED

**Early Maturing Weed Identified by Seed
Pods, Says Haymaker**

Shepherd's purse, which is rapidly becoming a serious menace to lawns, can best be controlled by cutting the plants off just below the crown, or by spraying them with iron sulphate, says Dr. H. H. Haymaker, plant specialist at the Kansas Agricultural Experiment Station, Manhattan.

Since this weed has the ability to mature early and produce a large amount of seed, one plant may seed an entire lawn, he points out. It is easily identified, he says, by its purse shaped seed pods and the fact that the stalk usually stands up above the grass.

FRESHMAN LEADS BIG FIELD AS JUDGE OF DAIRY CATTLE

**Clarence Zarnowski, Newton, Only
First-Year Man Ever to Win Event**

Out of nearly 100 contestants, including one girl, competing for prizes in the annual Dairy Cattle Judging contest recently, Clarence Zarnowski, Newton, became the first freshman to win first place in the senior division.

Winner of the junior division was Glenn McCormick, Cedar. The only woman to enter the all-school contest, Carol Fansher, Kansas City, placed in the upper half of the junior division.

80 GRADUATING HOME ECONOMICS SENIORS TO STUDY FOR SERVICE

**WILL GIVE UP USUAL VACATION
AFTER EXAMINATIONS**

**Will Review Latest Developments in
Field in Order to Take Greater
Responsibilities in Their
Communities**

In order to assume greater defense responsibilities in their own communities, approximately 80 graduating seniors in home economics voluntarily are giving up their usual vacation between examinations and commencement to review latest ideas in their field.

Varied subject matter, ranging from nutrition to family relationships, will be studied during their three-day conference, "Service for Victory," beginning Wednesday morning, May 20. The Home Economics club is sponsoring the study.

Dean Margaret M. Justin will open the conference at Calvin hall by explaining the challenge which communities will make to home economics graduates. The remainder of the Wednesday morning sessions will be devoted to discussions on "What we should know about giving demonstrations" by Miss Eva McMillan, assistant dean of the Division of Home Economics, and Miss Tessie Agan, assistant professor in the Department of Household Economics.

GRIMES WILL SPEAK

A demonstration in canning the family food will be given Wednesday afternoon by Miss Gertrude Allen of the Division of College Extension.

Dr. W. E. Grimes, head of the Department of Economics and Sociology, will speak Thursday morning on the subject "Economic Changes Which Will Affect Our Living." Dr. Gladys Vail, associate professor of food economics and nutrition, will discuss "Changing Food Customs Due to the War," after which Dean Justin will discuss the topic, "Seeing Beauty and Loveliness in Everyday Life."

Thursday afternoon students attending the conference will hear Doctor Vail talk on "Freezing and Storing the Food Supply."

PLAN SYMPOSIUM

The program Friday will consist of a discussion on "The Changes in Our Wardrobes," by members of the Department of Clothing and Textiles. A panel on "What the War Will Mean to Our Family Life" also is scheduled for Friday morning with Dr. Katharine Roy, head of the Department of Child Welfare and Euthenics, as chairman.

A symposium and discussion on "What Will the War Mean to Our Community" will conclude the conference Friday afternoon. Leader of the discussion will be C. O. Wright, executive secretary of the Kansas State Teachers association, Topeka. Other participants will be Mrs. J. D. Colt, sr., American Red Cross, Manhattan; the Rev. J. David Arnold, member of the Manhattan Defense Council; Miss Lora Hilyard, Division of Extension; Miss Florence McKinney, Farm Security Administration, Topeka; Miss Hazel Thompson, state supervisor of vocational home economics education, Topeka.

Members of the faculty committee organizing the conference are Dr. Martha S. Pittman, head of the food and nutrition department; Prof. Alpha C. Latzke, head of the clothing department; Miss McMillan, and Miss Ella M. Johnson, assistant professor of education.

Members of the student committee are Irma Popp, Marion; Martha DeMand, Lincolnville; Helen Perkins, Kansas City; and Lorraine Clements, Havensville.

Hear U. S. D. A. Chemist

Members of the College American Chemical society heard Dr. Sterling B. Hendricks, senior chemist in the soils and fertilizer division of the U. S. D. A. Bureau of Plant Industry, speak recently on "The Nature of Clays and Soils."

The KANSAS INDUSTRIALIST

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KENNEY FORD, Alumni Editor

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WEDNESDAY, MAY 13, 1942

RECOGNITION FOR HOMEMAKERS

In granting a degree of Master of Family Life to Mrs. Alice Vail Waugh, Kansas State College follows the enlightened course upon which it set out in December, 1873, when it first offered courses in sewing, dressmaking and millinery, "for young ladies, that they may be prepared to earn an honorable self support and to adorn the highest stations of life."

The importance of preparing "young ladies" for the role of homemaker once established, the College continued constantly to expand the scope of its training for women. As early as 1885 it recognized "domestic science" as one of the sciences in which through advanced study women could earn graduate degrees. In 1877, four-year curricula were established for "farmers and women." What is believed to have been the first college building in the country reserved exclusively for work in home economics, Kedzie Hall, was erected in 1898. And in the same year a four-year curriculum in household economics was adopted.

When the honorary master's degree is conferred upon Mrs. Waugh May 25 in Memorial stadium, Kansas State will reaffirm its belief in the importance of the normal role played by women in "the highest stations of life"—that is in the homes. Coming as it does in this time of national emergency, however, the award means much more than this.

Mrs. Waugh will be honored personally as a highly successful wife and mother. But she also will be a proxy for thousands of other Kansas State women graduates who are playing the role of homemaker with equal, if less conspicuous, success. Indirectly, the College will in this emergency pay a significant tribute to the women who have had such an enormous part in building the health and strength which the nation needs to face the difficult problems confronting it.

BOOKS

Not Without Honor

"The Valor of Ignorance." By Homer Lea. Harper and Brothers. New York. 1909 and 1942. \$2.50.

After lying unused in the College library for almost twenty-seven years, this book is again in demand. Originally published in 1909, it was taken out of the library eight times in 1915, after which it was uncalled for until January, 1942. An article in a popular magazine about the book and its strange author has reawakened interest in it, and a new edition has been published.

The original edition, dedicated to Elihu Root, had two introductions: one by Lieutenant-General A. R. Chaffee, a former chief-of-staff of the United States Army; the other by Major-General J. P. Story, United States Army, Retired. It was highly commended by both these military experts. In it the author predicted war between Japan and the United States. Now, after a lapse of more than thirty years, he is a prophet not wholly without honor in his own country. He did not limit his prediction to the war that is now upon us. He predicted victory for Japan!

Homer Lea based this latter prediction on his conviction that a wealthy nation is a poor military risk. The citizens of such a nation, he con-

tended, mistake wealth and natural resources for military strength and thus become easy prey for the citizens of a poorer but harder nation. "Whenever the wealth and luxury of a nation stand in inverse ratio to its military strength, the hour of its desolation, if not at hand, approaches."

It is interesting to note that we were accused of softness as long ago as 1909. And while we were soft, said Homer Lea, our prospective antagonist, Japan, was practicing Spartan self-discipline, planning, preparing for war against us. "Every move is planned, every emergency taken into consideration; the American armament and preparation, or lack of it, are in all its (sic) phases tabulated; the topography of the country surveyed, climatic conditions noted, depths of streams, heights of mountains, food supplies, means of transportation and subsistence belonging to each section of possible spheres of military activity have been carefully investigated and preparations made accordingly. In this manner, years before war is declared, the most insignificant details and possibilities of hypothetical campaigns and battles have been so worked out . . . that the war itself, when once begun, proceeds with invincible orderliness to a predetermined end. . . . It is in this manner that Japan prepares, not for war with this nation, but for victory over it."

This is not pleasant reading, nor is it all. The author goes into great detail, using maps, statistics of military strength, armament and ocean tonnage, and numerous other data to support his gloomy predictions. He seems almost to enjoy his despair for his country. His contempt for our unwillingness to face unpleasant realities is immense and bitter. He insists that "nations prefer to evade and perish rather than to master the single lesson taught by the washing-away of those that have gone down before them. In their indifference and in the valor of their ignorance they depart, together with their monuments and constitutions, their vanities and gods."

Discount this strange book as we will for its florid style, its intemperance and its admitted bitterness, we are obliged to concede that the author saw many facts more clearly than most of his American contemporaries saw them, and faced them more squarely. His first prediction—war with Japan—has been vindicated. Whether the second—our own defeat—will also prove true is for us and our allies to decide. In any case, it is unfortunate for us that his warning was not heeded when it was given. If it had been, we should have been better prepared than we are for the great task that we now face.

—F. D. Farrell.

STRATEGY OF MATERIALS

Few are aware that the Axis by its conquest in Europe and southeastern Asia is now almost evenly balanced against the United Nations in vital raw materials. In fact, the Axis has now every resource that it lacked before the war started. It is hard to realize how dangerously the United States potential of self-sufficiency in strategic materials has tumbled in the course of a brief five months. Such are the vagaries of world economy and balance of power!

The immediate problem confronting the nation is: Can it replenish what it has lost to feed hundreds of hungry furnaces with their daily ration? The answer is not at hand, but when life's great challenges come, they must be met with all the ingenuity that can be mustered. This may not be sufficient, but it will go a long way towards attaining the objective. The age-old saying, "Necessity is the mother of invention," never assumes a more significant role than it does in time of national emergency.

To cope with the situation, a well directed program of exploration for new resources, of search for substitutes, of development of domestic low-grade deposits, and of commercial integration with South America has been launched. The results of these efforts are already considerable. Sizable deposits of tungsten ores—scheelite and wolframite—have been discovered in Idaho and California. These, plus a number of old mines which have been reopened, have upped the production of tungsten to about 10 per cent of the United States' requirements. New technical processes for getting the

metal out of low grade ores or concentrating it in a usable form have been developed and are being successfully applied to many a previously abandoned complex ore of chromium, manganese, aluminum and other strategic metals. On the whole, technological attacks in the fields of geology, chemistry and physics are boosting the production of strategic metals to a level hitherto thought to be unattainable. But there is no room for over-optimism. Raw materials cannot be produced at the sound of the bugle, and some of them cannot be produced at any price or in any length of time. It is best to realize that the crisis is on, that the nation is in peril.

It is now a race against time. We must get as far toward self-sufficiency in strategic materials as our skill and resourcefulness permit, for upon these materials depends the war's duration and who shall be the victors.—Sharat K. Roy, Curator of Geology, Field Museum.

WHERE DID THE POTATO COME FROM?

Where did the potato come from? This question has for years been answered by some glib reference to Sir Walter Raleigh and Virginia, but recent investigations by scientists in the U. S. S. R. and other countries have shown that the birthplace of the potato was most probably the Andes of South America. Here, especially in certain regions such as Bolivia and Peru, there is to be found an astonishing variety of potato types, most of which have never been seen or even heard of in Europe. There occur potatoes of all conceivable shapes and sizes, some long and sinuous like a serpent, some small and round, others with curious markings like the head of an animal or man; tubers of all colours, ranging from inky black, through various shades of purple and pink to pale cream colour, are found, and there are many differences of flavour and consistency too. Most of these forms are cultivated by the local Indians and are given distinctive, often highly descriptive, names. They differ from our own domestic potatoes in many botanical respects, including chromosome number, and many of them are ascribed to distinct botanical species. A particular item of interest is the discovery that some of them are possessed of economically valuable properties not found in the common domestic potatoes. Among these is the capacity to tolerate frosts of several degrees; frosts occur almost every night in the higher areas of potato cultivation, which in places go up to almost 14,000 feet, and the potatoes come through undamaged. Resistance to various diseases and tolerance of tropical conditions are among other interesting properties found in these potatoes. If such properties could be transferred to domestic potatoes these could be very materially improved and their range of cultivation greatly extended.—From Monthly Science News, London.

SEEDS AS STANDARDS OF WEIGHT AND MEASURE

From ancient times down to the present, various seeds (especially those of the bean family) and cereal grains have served as standards of weight and measure in widely separated parts of the world. During the middle ages, for example, certain European towns or seats of commercial activity had their own particular unit of weight. In the French city of Troyes, famed for its agricultural fairs, a kernel of wheat was adopted as a standard and this gave rise to the term troy weight, the pound troy being equivalent to 5,760 grains or 12 ounces. In the early part of the fourteenth century the troy system was accepted in England and elsewhere for weighing bread, silk, gold, silver and jewelry, but nowadays it is used exclusively in weighing the few precious metals.

In parts of southern France and northern Spain the pea (pois) was the acknowledged standard of weight and some maintain that this gave origin to the term avoirdupois. This system was introduced into England about the year 1300 for weighing coarse commodities, such as grain, hay, butter, sugar, tea, etc., and is the official standard of weight and measure employed, with some modification, in the United States. A decree promulgated by Edward II of England in 1324 stipulated that

"three barley corns, round and dry" define an English inch. Thus a single kernel of barley was regarded as one-third of an inch.

It is generally believed that the original carat of jewelers, still in vogue for weighing precious gems, is the equivalent of the tiny seed of the "carob" a small leguminous tree growing along the shores of the Mediterranean.—Llewelyn Williams, Curator of Economic Botany, Field Museum.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

D. R. Hooten, '21, was assistant superintendent to H. C. McNamara, '14, at the United States cotton breeding field station, Greenville, Texas.

Dr. N. D. Harwood, '18, Manhattan, accompanied by Dean R. R. Dykstra and Dr. J. H. Burt of the Division of Veterinary Medicine, attended a meeting of the North Central Kansas Veterinary Medical association in Clay Center. Dr. A. Schaulis, '29, of Clay Center was secretary-treasurer of the association.

Miss Marion Quinlan discussed "Parents and Children" at the general session of the Kansas State Council of Public Welfare in Topeka. The conference was called by Gov. H. H. Woodring. Dean H. Umberger and Miss Dorothy Triplett, associate professor of child welfare and eugenics, gave reports at the meeting of the education section of the council.

TWENTY YEARS AGO

H. H. Coxen, '15, was professor in the Department of Industrial Education in the University of Tennessee.

Emma S. Irving, '10, superintendent of the Nurses' Training school at Ningpo, China, was spending a year's furlough in the United States.

Dr. A. A. Holtz, Y. M. C. A. secretary, received notification of his appointment as a member of the executive committee, student department, international Y. M. C. A.

THIRTY YEARS AGO

Miss Emma Kammeyer, a senior in the home economics course, accepted a position in the Sterling, Kan., high school for the next school year, to teach domestic science.

Walter King, '09, returned to the College to work for a master's degree in engineering. He had been in charge of the manual training work at the state reformatory at Hutchinson.

The Science club heard two interesting papers at its regular meeting. Dr. T. J. Headlee, professor of entomology, discussed "The Hessian Fly and Wheat Seeding." Neil E. Stevens, instructor in botany, spoke on the subject, "Wood Rot and the Hardy Catalpa."

FORTY YEARS AGO

President Nichols was at the Hays Experiment Station for several days.

Dr. S. W. Williston, '72, professor of historical geology and vertebrate anatomy at the University of Kansas, accepted a similar chair at the University of Chicago.

Ralph E. McDowell, f. s. '88, was appointed a second lieutenant in the regular army and was assigned to the Twelfth Cavalry and ordered to join his regiment stationed at Houston, Texas.

FIFTY YEARS AGO

President Fairchild attended a meeting of the board of directors for the Kansas Educational Exhibit in the Columbian exposition at Junction City.

Supt. M. N. Scott, of the Binghamton, N. Y., city schools, inspected the various College departments. Mr. Scott was a former resident of Manhattan.

A cablegram from the vice consul of the United States at Liverpool, England, announced the death at that city of Hon. John A. Anderson, the former President of this College, former congressman of this district, and, at the time of his death, the United States Consul at Cairo, Egypt.

SIXTY YEARS AGO

B. Buckli opened a German school in the public school building.

George Sisson, who had just returned from Morpeth, England, visited at the College.

George Y. Johnson, secretary of the Kansas State Fair association, was a visitor at the College.

KANSAS POETRY

Robert Conover, Editor

SPRING IN A SMALL TOWN

By Mary Watson Weaver

My heart can walk rejoicing
Where there are trees
Expressing tenderness in leaves.
Where Spring means pepper-grass
Springing between the bricks;
And flickers flash
Across the grass.
And each householder lives content,
With sun upon his steps;
Secure within his heart
The fact that he is part
Of this, his place upon the earth:
His trees, his sky, his town
And his God looking down!

Mary Watson Weaver of Kansas City, Mo., is the wife of Powell Weaver, nationally-known organist and composer and head of the music department of Ottawa university. She has written two published books of verse, "Pedestrian Sketches" and "The Shepherd and the Stars," and her verse and articles have appeared in several publications, including the Junior League Magazine, High Road, Better Homes and Gardens, Holland's, the Kansas City Star, and numerous others.

SUNFLOWERS

By H. W. Davis

WAR COMES TO MIDLANDIA

The war is coming to Midlandia by leaps and bounds. Don't try to persuade yourself it isn't.

Big industry is moving rapidly into the prairies, and in its biggest way. Tanks, planes, and shells are piling up. Ammunition dumps are coming too, and ere many moons have come and gone we ruralites will be sitting, both figuratively and literally, on huge drums of T. N. T.

They say citizens of Alcatraz are quietly, gradually settling in Leavenworth. Art treasures are being moved from outlying settlements—New York City, Washington, Los Angeles, and San Francisco—to safer and younger vaults in Kansas City, St. Louis, Omaha, and Keokuk. Lions, giraffes, rhinoceri, hippopotami, and other precious and irreplaceable quadrupeds now lolling nervously in coastal zoos are soon to be transported to confines in the wide open spaces where bombs from hostile planes cannot wing them.

But that isn't all, and maybe it isn't the worst. As vast training centers are swished to the vast middle of this land of ours, hordes of highly publicized notables and wives and offspring of notables are swishing along with them. Movie idols, literati, swing-band leaders, multimillionaires, socialites, and gifted radio voices are filtering in to mingle with our Indians, buffaloes, jack rabbits, gophers, chambers of commerce, and culture clubs.

This involves problems and perplexities more delicate than learning to live naturally and nobly with the exotic four-footed wonders headed our way. We somewhat too gah-gah denizens of the plains are going to have to learn that notables are ordinary human beings, bewildered by the war as much as we. Most of them are more unfortunate than we, for they have been roughly treated by sob-sisters male and female and presented to us in guises wholly unfair and unjust.

Many of them, I betcha, want us to treat them as they are, with all the glamor wiped off—just as we treat each other. If they don't like us in our buffalo-grass and wheatland setting, they won't like us anyhow. Any front we can frantically acquire from "Vogue," "The New Yorker," and the "Night Club Digest" will merely amuse them.

Yep, we gotta depend on being nothing more nor less than just the folks we are, no matter whether the fortunes of war toss Public Enemy No. 1, the biggest elephant on earth, or the cutest cutie from Hollywood into our laps.

Yessiree, we gotta take super-industry, T. N. T., Alcatrazans, art treasures, zoo stuff, and notables in stride. It may be a big step forward in democracy—for all of them and all of us. You never can tell.

It seems to me fair to say that the business of the newspaper is to provide its readers with a dependable and comprehensible picture of the world in which he is living.

—Paul Hutchinson.

AMONG THE ALUMNI

Arthur F. Cranston, B. S. '90, recently wrote that he is in the race for congressional representative from the Kansas third district. He and Mrs. Cranston have lived at Parsons for many years, where he is an attorney.

Harvey McCaslin, B. S. '01, and Edith (Clemmons) McCaslin, f. s., are at Osborne, Kan., and reported recently on their three children, all of whom are Kansas State graduates. Wayne McCaslin, '29, is county attorney in Rooks county. Edith (McCaslin) Monroe, '37, and her husband George E. Monroe, '37, have two children and are at Ft. Benning, Ga. Marjorie (McCaslin) Coulter, '40, is with her husband, Carl Coulter, '40, in Bartlesville, Okla. Mr. McCaslin has been county attorney at Osborne since 1909.

Earle L. Shattuck, M. E. '07, Prof. in Engrg. '16, and Cora M. (Martin) Shattuck, f. s. '07, have two children, Warren L. and Faith. Their home is at 155 6th St., Idaho Falls, Idaho. Mr. Shattuck is in the insurance business, active in American Legion and Elks. He is a colonel in the reserves, U. S. Army reserve.

Bernice (Deaver) Poppen, G. S. '08, and A. H. Poppen live on a ranch at Steamboat Springs, Colo.

Earle A. Cole, f. s. '09, and Blanche (Peck) Cole, f. s. '09, live at 815 N. Broadway, Billings, Mont. Mr. Cole is associate agricultural engineer of the Indian Service for the Department of Interior. He is in the regional office, which supervises five states.

Frank E. Fuller, B. S. '11, wrote to send in some of his vital statistics: "Ruth (Plumb) Fuller, f. s. '11, and myself have two children: son, Kenneth, located at Lincoln, Ill.; a daughter, Lois Fuller Foreman at Bloomington. I am owner of the Fuller Agricultural Service, furnishing professional farm management service to 98 Central Illinois farms consisting of 22,000 acres. We live at Normal, Ill., just outside of Bloomington. We appreciate THE INDUSTRIALIST—like a letter from home."

Nora M. Hott, H. E. '14, has been state home demonstration leader in South Dakota for seven years. Under her are 19 house extension agents serving 38 counties, and four home-making specialists. She lives at 810 Ninth Ave., Brookings, S. D.

Merrill L. Gould, Ag. '15, and Velora (Fry) Gould, H. E. '15, have a son, Max Gould, who is graduating May 25 from Kansas State in veterinary medicine. Mr. and Mrs. Gould live at Broken Bow, Neb., where Mr. Gould has been county agent for 18 years. They own a 160-acre farm and ranch of 78 pairs of silver and platinum foxes.

Grace (Hole) Varcoe, H. E. '16, and L. R. Varcoe live at 1533 Keeler Ave., Bartlesville, Okla. She reports that her sister, Bertha (Hole) Gleason, H. E. '16, lives at Route 2, Yakima, Wash.

Earle W. Frost, B. S. '20, was re-elected March 31 as judge of the municipal court, Kansas City, Mo., and is also engaged in general law practice, 710 Rialto Building. He was recently appointed chairman of committee of Traffic Court Judges and Prosecutors of the National Safety Council. He is judge advocate of the Cosmopolitan International and senior grand marshal of Sigma Phi Epsilon. He and Esther (Houston) Frost have two children—Earle, Jr., 9, and Sylvia, 5. They live at 235 East 72nd Terrace, Kansas City, Mo. Mrs. Frost is president of the Women's Society of Christian Service of the Country Club Methodist church.

Dr. Carl Conrad, Ag. '21, is senior cotton technologist with the agricultural marketing service, U. S. D. A., located at 4502 South Tonti, New Orleans, La. The Conrads' children are Lillian, 14; Edward, 12; and Billie, 7.

J. J. Seright, E. E. '22, owns the Seright Publication Bureau, School Service, 27th and Randolph, Lincoln, Neb. He writes, "We are experiencing considerable difficulty these days in obtaining certain metals. However, that is to be expected for the duration. We are struggling along as best we can. I would like very much to come back for class reunion this spring, but it looks like it would be wise to stay at home with the 'tires'."

Grace (Long) Elser, H. E. '23, 1211 South Williams St., Denver, Colo., writes, "I am a homemaker. My husband, Wilbur L. Elser, is assistant regional director for the Farm Security Administration with headquarters in Denver." They have one daughter, Helen Margaret Elser.

Albert D. Mueller, Ag. '24, and Kathryn (Osborn) Mueller, f. s. '26, are at Phillipsburg, where Mr. Mueller is county agent. Their children are Jo Anne, 12, Marcia, 8, and Milton, 2.

Bessie Geffert, G. S. '25, M. S. '30, is bookkeeper for the Hockaday Hardware company, Kingfisher, Okla.

Kenneth E. Yandell, R. C. '26, personnel manager of the Bayway, N. J., refinery of Standard Oil company since June, 1939, was recently appointed as assistant to the chief safety engineer of the Standard Oil company of New Jersey, a position which embraces activity in both the manufacturing and sales divisions extending from Maine to Louisiana.

He joined the company in 1926, being made personnel clerk following two months' introductory training in the refinery yard. He was promoted to safety supervisor in 1930, employment manager in 1936 and assistant personnel manager in 1937. He and Daryl (Burson) Yandell, '29, live at 700 Greenwood Road, Union, N. J.

Esther Sorensen, H. E. '27, is supervisor of homemaking education in the Texas State Department of Education. She sends her address as 3113 20th Street, Lubbock, Texas.

Roy W. Jones, M. S. '28, is dean of Central State college, and professor of biology, Edmond, Okla. He and Maurine (King) Jones live at 216 East Third, Edmond.

H. L. Gamble, Ag. E. '29, district engineer for the local Soil Conservation district, Osage City, Kan., has been appointed acting district conservationist to fill the vacancy left by the death of Ralph Ramsey, '16. Mr. Gamble and Ruth (Dible) Gamble, G. S. '30, live in Osage City.

T. M. "Mickey" Evans, P. E. '30, is teacher of physical education in high school in Kansas City, Kan. He and Leota (Shields) Evans, f. s., send their residence address as 2628 Armstrong, Kansas City, Kan. He received his master's degree from the University of Michigan last summer and was elected to membership in Phi Delta Kappa.

D. Ronald Musser, G. S. '32, M. S. '33, is rural rehabilitation supervisor, Farm Security Administration, Stockton, Kan.

Edith A. (Painter) Wallace, H. E. '32, and D. Mott Wallace, with their 3-year-old daughter, Grace Louise, live at Eureka, Kan., where they run a dairy farm. Mr. Wallace is Greenwood county treasurer.

Charles W. Stull, E. E. '33, is now employed as assistant manufacturing engineer with Western Electric company, Point Breeze plant, Baltimore, Md. He has been located there since the first of the year. Opal (Birt) Stull, H. E. '31, wrote that their address is 106 W. University Parkway, Apt. K3, Baltimore, Md.

Lt. James H. Rexroad, G. S. '34, is attorney in the firm of Ramsey and Rexroad, Attorneys-at-law, 612 Wiley Bldg., Hutchinson. Lieutenant Rexroad says that he expects to go into active duty soon, but at present lives at 100 E. 16th, Hutchinson.

John S. Rader, f. s. '34, and Leora (Lang) Rader, f. s. '33, have two children, Jack Sharon, 5, and Marise Elaine, 2. They live at Osborne, Kan., where Mr. Rader has been county engineer for four years.

Berwyn Y. Brewer, E. E. '35, works for the Southwestern Bell Telephone company with the official title of switchman. He and Jewell (Hunt) Brewer live at 1522 Garland, Wichita, Kan.

Lt. James B. Edwards, P. E. '36, is part of the first armored division, Desert Training Center, Indio, Calif. Ruth (Austin) Edwards is living at present at 826 Humboldt, Manhattan.

Ernest V. Carson, M. S. '38, superintendent of schools at Nashville, Kan., has been elected by the Stockton board to be superintendent there next year.

Lt. John D. Dietrich, Ag. E. '39, wrote that he is at Ft. Buchanan, Puerto Rico. He was transferred there from Ft. Rosencrans, Calif.

LOOKING AROUND KENNEY L. FORD

Sales of the Recordings of Kansas State College songs have exhausted our supply of mailing cartons. Please be patient—the records are being mailed out as fast as possible.

Dear 1917'ers:

Greetings, classmates! Can you realize that a quarter of a century has passed since we received our coveted sheepskins? Time has certainly flown, and it is time we are meeting again. Of course, we are at war and our tires are thin but we were at war in 1917 too, and very few of us had tires then either. Do make an extra effort to get back here for commencement this year. The busses and trains still run into Manhattan if your car is in retirement for the duration.

Quite a few of us are living in Manhattan and we will be glad to see any of you who can manage to be here. We will even share our sugar with you. So come and help us celebrate our silver anniversary.

Yours truly

Hazel (Pierce) Blecha
Myrtle (Bauerfind) Grandfield

A Reverie

Just thirty years ago we stood bedecked in cap and gown; Degrees in hand, we faced the world, assured that world renown Was just around the corner—and it was for some, I know, But others found the corners rough, and found the going slow; But in each "twelver" was instilled the love of Kansas State, The will to win, the right to be his architect of Fate; Nor days nor years could change the plan four years of learning wrought, And though success seemed far away, the lessons we'd been taught, Were pondered well, and through the years, though "greatness" were denied Have left their impress in our hearts and kept us satisfied.

Today we stand, for moment brief, and look back thirty years, Our caps and gowns have moldy grown, but as our memory clears, We see again with eyes of youth our classmates, each a friend, Then wonder how each face has changed as we near journey's end; To some has come the richness of a life that's been well spent, To some, alas, came sorrows—to some came discontent; Some traveled far across the world, some found a place "close home," But near or far, or rich or poor, wherever "twelvers" roam, I'm sure their minds will travel back from nineteen-forty-two To stand again in cap and gown, and spend the day with you.

Just remembering
Virgil Miller
1912-1942

Mr. Miller lives at 1247 North Detroit street, Hollywood, Calif., and is with 20th Century-Fox.

The Library Fund

Dear Alumni:

You probably have noticed, through THE KANSAS INDUSTRIALIST, the changes made in the Alumni Fund of the Kansas State College.

When the Student Loan fund was the only activity, it was natural for our Alumni to get the impression that this Fund was in good shape—probably sufficient for the needs, and that there were no other needs at Kansas State.

Doctor Farrell presented what he felt to be the primary need at Kansas State in which our Alumni should be interested—the need of funds for the Library. Announcement was made of this through THE INDUSTRIALIST and resulted in one \$10 contribution. Kenney Ford received a \$50 contribution from a luncheon contact at Amarillo, Texas, and the writer received a contribution from Mr. William Volker (not an alumnus) for \$1,000.

Before closing my term as President of the Alumni Association this year, I would like a few more of our Alumni to help place our Library Fund on a working basis, not only because of the real need for this Library but as a personal tribute to President Farrell—a tribute justly

deserved. President Farrell is a great lover of books and if we can build an outstanding Library during his administration, it will be a worthy monument.

Your contribution to the Library Fund of Kansas State College would, of course, be deductible for income tax purposes, so won't you, to the limit of your ability, contribute to this Fund as soon as possible, making your check payable to Kansas State College Alumni Fund and sending it direct to Mr. Kenney Ford, Alumni Secretary at Manhattan—or if you prefer, sending your check to the writer, Main, Second and Third Streets, Kansas City, Mo.

Thanks for listening!

Sincerely yours,
H. L. Luhnow, '17
President, Alumni Association.

Since the above letter was written by Mr. Luhnow, contributions have been received from W. L. Enfield, '09, Cleveland, Ohio; J. H. Young, '14, Pittsburgh, Pa.; and Maj.-Gen. James G. Harbord, '86, New York City.

All alumni who wish to have a part in building the Library Fund are urged to contribute at this time.

BIRTHS

A daughter was born Tuesday, April 21, at the Saint Mary hospital in Manhattan to Harry C. Quantie, G. S. '25, M. S. '36, and Mabel (Bohnenblust) Quantie of Riley. Mr. Quantie is superintendent of the Riley high school.

Ruth (Howe) Hoglund, I. J. '37, and Garland C. Hoglund, Ind. Chem. '35, announce that they have named their son, born April 16, Richard Wayne. They moved recently in Chicago to 7518 Calumet. Mr. Hoglund is research chemist for the Wilson Packing company.

Harold L. Kugler, Ag. '33, M. S. '41, and Ruth (Cook) Kugler are parents of a son born April 18, at the Saint Mary hospital, Manhattan. His name is Kenyon Kline. The family lives at 1718 Houston, Manhattan. Mr. Kugler teaches vocational agriculture in the high school.

W. E. Chappell, Ag. '42, and Julia (Martin) Chappell, Pittsburg K. S. T. C. graduate, are parents of a son, Walter Grove, born December 21, 1941. He has a brother, Howard, born October, 1937. They now live at Howard, where Mr. Chappell teaches vocational agriculture.

A daughter, Mary Ann, was born to Earl C. Richardson, I. J. '30, and Eva B. (Hixson) Richardson, Com. '32, on April 7. Mr. Richardson, editor of the Garden City News, was elected president of the Garden City Chamber of Commerce the same week Mary Ann was born. They have two sons, Bob and John. They live at 618 11th St., Garden City.

DEATHS

HUTCHINSON

Noble M. Hutchinson, M. E. '14, died April 24 at Bartlesville, Okla., after an extended illness. He had been with the Cities Service and affiliated companies for 26 years and was doing research on special problems at the Bartlesville laboratories at the time of his death.

He taught school at Ramona before joining the Empire in 1916, and for about nine years worked at the Doherty research center in Bartlesville, then went to Oil Hill, and returned to headquarters in 1926. He served on a number of API research and secondary recovery committees and was a member of the OPC's oil advisory secondary recovery committee at the time of his death.

Surviving him are his widow, Mary (McCluskey) Hutchinson, '14, and a son, James, who is a senior at Oklahoma university.

RECENT HAPPENINGS ON THE HILL

Newly elected officers of the Collegiate 4-H club are president, Keith Jones, Penalosa; vice-president, Wayne Good, McCune; secretary-treasurer, Drusilla Norby, Pratt; and reporter, Helen Ramsour, Junction City.

Emmy Lou Thomas, Hartford, sophomore in Home Economics, will represent the Margaret Justin Home Economics club at the convention of the National Home Economics association in Boston, Mass., June 21, 22 and 23.

Mary K. Cantrell, Oil Hill, was initiated into Theta Sigma Phi, honorary and professional organization for women in journalism, Monday evening. At the same meeting, C. J. Medlin, graduate manager of student publications spoke on "Weekly Newspapers."

Prix, junior women's honorary organization, elected Mary Margaret O'Loughlin, Lakin, president for next year. Other officers are Harriet Holt, Ellsworth, vice-president; Bettie Brass, Wilmore, secretary-treasurer; and Maryellen Henderson, Kansas City, Mo., marshal.

New president of Blue Key, senior men's honorary society, is David Luper, Larned. Vice-president is Wendell Bell, Silver Lake. Secretary-treasurer is Robert Schreiber, Garden City; corresponding secretary, George Mendenhall, Belleville; and alumni secretary, Paul Chronister, Abilene.

To preside over next year's meetings of Mortar Board, senior women's honorary society, is Edith Hanna, Manhattan. Merna Vincent, Alden, is the new vice-president. Hermagene Palenske, Alma, is secretary; Marcile Norby, Cullison, treasurer; and Mary Ann McNamee, Cunningham, editor.

New initiates of Pi Kappa Delta, honorary forensic fraternity, are Doris Swallow, Kansas City, Mo.; Rex Pruett, Culver; Embert Coles, Colby; and Maurine Pence, Manhattan. Newly elected officers of the group are president, Rex Pruett; vice-president, Alma Henry, Everest; and secretary-treasurer, Doris Swallow.

Presented to Prof. J. H. Burt of the Department of Anatomy and Physiology last week was a dead kangaroo from the Swope Park Zoo in Kansas City. The animal, which was sent by Dr. Earl Hoover, a graduate of the College, will be used for demonstration in anatomical classes in the Division of Veterinary Medicine.

MARRIAGES

ANGUS—WILKEN

H. LaVergne Angus, H. E. '38, and Alvin Wilken, f. s. '41, were married April 12, 1942. Mrs. Wilken writes that she is teaching vocational home-making at Bazine, Kan.

CHRISTOPHERSEN—BROWN

Winona Christophersen, I. J. '40, and Richard Brown, Ag. '41, were united in marriage April 4, 1942. Both teach in the high school at Westmoreland, Kan.

ROSANDER—BURNS

Frances Rosander, graduate of Bethany college, was married to Alben W. Burns, P. E. '38, on January 24, 1942. They live at Fredonia, where Mr. Burns teaches social science and coaches basketball in the Fredonia high school. The basketball team won the league championship this year.

ALUMNI-SENIOR BANQUET RESERVATIONS

I will attend alumni day activities May 23. Reserve..... tickets to the alumni-senior banquet, starting 6 p. m. Saturday. Tickets are \$1.50 each—good for banquet and dance. Reservations will be held until 2 p. m. Saturday.

Signed

Address

Clip and Mail to the Alumni Office

JACK GARDNER WILL JOIN NAVY'S PHYSICAL TRAINING ORGANIZATION

BASKETBALL COACH WILL REPORT AT ANNAPOLIS MAY 20

32-Year-Old Cage Mentor Who Has Been Here Since 1939 Will Receive Rank of Lieutenant, Junior Grade; to Get Leave

Jack Gardner, who completed his third year as Kansas State College basketball coach during the past season, will leave the College staff soon "for the war's duration" to join the physical training and coaching staff assigned to the U. S. Navy's air training program.

Gardner will report May 20 to the United States Naval academy at Annapolis, where he will go through a month's indoctrination course. After that he probably will be assigned to the staff at the University of Iowa, the mid-western center for preliminary training of future naval fliers.

Some time ago Kansas State College announced a policy of granting leaves of absence for the war period to all faculty members called into the armed services. Gardner holds the faculty ranking of assistant professor of physical education. He has been commissioned a Lieutenant, Junior Grade in the Naval Reserve.

WON MANY CHAMPIONSHIPS

Gardner is 32 years old and one of the youngest head coaches of a major college in this country. He was graduated from the University of Southern California, where he was basketball captain, in 1932. The following year he took graduate work at U. S. C. and was assistant to Head Coach Sam Barry. In the same year he coached Los Angeles Athletic club to a Southern Pacific A. A. U. championship. He can give the future navy fliers tips on Japan, as he conducted coaching schools for basketball players and coaches in that country in the summer of 1933, and in 1935 took over a group of college football players to introduce that sport.

After two years of high school coaching in which his team finished first in its league once and second another time, he took over at Modesto, Calif., Junior college, where his teams won three championships and a second place in four years.

He assumed direction of Kansas State basketball for the 1939-1940 season, after a series of years in which the Wildcats had consistently finished at or near the bottom of the conference standings. His team that year finished in a tie for fourth place in the Big Six, and in 1940-1941 finished in fifth, although with a better record than the team of the previous year. Last year the K-State team, hampered by loss of four regulars, again finished in fifth place in the Big Six, but with a season's record for all games played of eight victories and 10 defeats.

SQUAD LOOKS GOOD

"I consider it a privilege to join the Naval air physical training program and do my part in training young naval pilots to become the strongest and toughest fighting men the world has ever known," Gardner said.

"It is with regret that I leave Kansas State, Manhattan, my players and many friends, as my work here has been most pleasant. I will be looking forward to returning here after the war."

Gardner told his players the news at a final spring practice session tonight. "The boys have been improving each season and I certainly hate to leave this squad, as it looks as if it had the makings of a real ball club," he commented.

M. F. (Mike) Ahearn, Kansas State director of athletics, said, "While the athletics department and the College deeply regret the temporary loss of Jack Gardner's services, we are happy that in his new capacity he will be able to make a fine contribution to the defense of our country. His training, experience and personality make him excellently qualified for the work he is to do. We all hope he will return to Kansas State at the end of the war, and any replacement made will be on a temporary basis."

Aicher Visits Campus

Lt. George W. Aicher, '39, visited friends on the campus recently before continuing his trip to Fort McClellan, Ala., from Fort Leavenworth, where he has been stationed as an inducting officer.

WITH INSECTICIDES SCARCE, ENTOMOLOGIST ADVISES USE OF OTHER CONTROL METHODS

As a result of war production priorities and decreased importations, there is a shortage of insecticides and materials which are normally used in keeping to a minimum, the damage done to crops by insects, reports Prof. H. R. Bryson, entomologist at the Kansas Agricultural Experiment Station, Manhattan.

"In order to prevent an increase in losses in spite of this shortage, farmers can go back to some of the older control methods, that do not require the insecticides," he suggests. Keeping the farm free from weeds now, to reduce the number of weeds next year, will be of value in controlling a considerable number of insects in the future, he points out.

A crop rotation is a very valuable and inexpensive method of insect control which should be used more than ever now that a great many insecticides can not be obtained. Damage from some insects may arise in a great number of crops if grown over and over on the same ground, but a satisfactory rotation is usually sufficient control to prevent losses from this group, he explains.

The planting of crops which are immune to certain insects is another good practice, Professor Bryson points out. A good example of this, he says, is the use of soybeans and flax, which are not bothered by chinch bugs, and are among the crops which farmers are being called upon to increase. Varieties have been developed which are resistant to certain insects, such as Atlas, one of the chinch bug resistant sorghums. The use of these crops in the rotation will greatly decrease the difficulty and expense of special control measures, he asserts.

Cooperative efforts in a community will also help in solving the problem, Professor Bryson explains. If everyone in the community will join in combating certain insects, he says, their efforts will be much more successful.

He emphasizes that in all methods of control it is extremely important to get the insects early, since the task is much easier and more efficient if done before the insects have a chance to multiply.

K-STATE WOMEN TO MEET THURSDAY TO FORM COORDINATING ASSOCIATION

Will Vote on Temporary Constitution and Elect Officers of College AWS Chapter

Kansas State College women are meeting Thursday to organize a chapter of the Associated Women Students on the campus. Business, with Alma Deane Fuller, Courtland, as presiding officer, will consist of voting on a constitution and electing officers.

Advantages in an AWS, the purpose of which would be to coordinate the activities of all College women, were presented to students last fall, but because of the small attendance at meetings and lack of interest in the organization, the constitution was not drawn up until recently. A petition signed by 500 women resulted in the renewal of plans for organization.

The constitution that will be adopted Thursday will be temporary and will serve for the year the organization is on "probation." Patricia Beezley, Girard, stated that Student Governing Association regulations require a group to be organized for a period of at least one academic year before it be recognized as a campus group. At the end of the year a new and permanent constitution will be drafted.

The proposed constitution calls for a governing body divided into two groups—an assembly and a senate. The assembly would consist of 50 members, 16 presidents of neighborhood units, 24 presidents of organized houses, nine presidents of sororities and the executive council of Van Zile hall.

The senate would represent the extra-curricular campus organizations and be made up of the presidents of the Women's Athletic association, Home Economics club, Women's Senior Panhellenic, YWCA, Mortar Board, Van Zile hall, Prix and the three women members of the Student Council.

The organization of AWS is a forward step as far as women students are concerned, according to Dean Helen Moore. All undergraduate women will become members of the new organization on payment of fees at the time of registration.

Cochran Gets Fellowship

George Cochran of Topeka, graduate assistant in the Department of Botany and Plant Pathology, has received appointment to a \$1,000 Denison fellowship at Cornell university for further study in agricultural research. Cochran was graduated from Kansas State last year in agriculture. He will receive his master of science degree this summer.

Speed Up Program

An accelerated program of organizing classes in nutrition and canteen training by Kansas dietitians was adopted by the executive board of the Kansas Dietetic association meeting at the College Saturday, according to Mrs. Bessie Brooks West, head of the Department of Institutional Management, who is president of the organization.

29 STUDENTS APPROVED FOR SPRING JOURNALISM 'PROFESSIONAL' RATING

Satisfy Scholastic Requirements and Survive Collective Appraisal by Faculty Members

Twenty-nine journalism students have been approved for the journalism professional list for the spring semester of 1941-42, according to an announcement made by Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing.

Students whose names appear on this semester's professional list have met scholastic requirements and the collective estimate of the journalism faculty as to the student's personality, temperament and general adaptability in the field of journalism.

Seniors who have received the professional rating are: Betty-Lee Beaty, Ellsworth; Ema Lou Bireline, Lewis; Mary K. Cantrell, Oil Hill; Kendall Evans, Berkeley, Calif.; Alma Deane Fuller, Courtland; Milt Dean Hill, Kansas City; Mary B. Morris, Chapman; Hurst Majors, Robert Rathbone, Marjorie Rogers, Gordon West, Glenn Williams and Harry Bouck, all of Manhattan.

Juniors on the list include: Mary Margaret Arnold, Manhattan; Grace Christiansen, Columbus; Faye Clapp, Manhattan; Charlotte Collins, Ft. Worth, Texas; Ruth Foote, Ottawa; Betty Lou Hancock, St. Francis; Jack James, Mayetta; Margaret McClymonds, Lincoln, Neb.; Mary Anne McNamee, Cunningham; Irene Strotkamp, Burns; Jack Thomasson, Belleville; Phyllis Van Meter, Ada; Mary Marjorie Willis, Newton; and Margaret Wunsch, Topeka.

The only sophomores on the list are Lois Hodgson of Little River and Robert Hilgendorf of Lincoln, Kan.

Consider Textbooks

Consideration of the available texts in high school mathematics was the purpose of the Saturday meeting of the Kansas Association of Mathematics Teachers.

Civils Hear Topekan

Kansas State College civil engineers heard W. E. Baldry, Topeka city engineer, speak last week on the relationship of the young civil engineer to his profession.

1942 COMMENCEMENT CALENDAR

Class Reunions

'77	'12
'82	'17
'87	'22
'92	'27
'97	'32
'02	'37
'07	

SATURDAY, MAY 23

Alumni Day

10-12 a. m. Alumni registration, Recreation Center.
12 noon. Class luncheons.
2 p. m. Alumni business meeting, Recreation Center.
6 p. m. Alumni-Senior banquet, Nichols Gymnasium.

SUNDAY, MAY 24

4 p. m. Commencement Recital, Auditorium.
7:10 p. m. Academic procession.
7:30 p. m. Baccalaureate services, Memorial Stadium.
Address by Dr. Remsen B. Ogilby, President of Trinity College, Hartford, Conn.

MONDAY, MAY 25

3-4:30 p. m. Alumni-Senior reception, President's residence.
7:10 p. m. Academic Procession.
7:30 p. m. Graduation Exercises, Memorial Stadium.

TESTS INDICATE EFFICIENCY OF ALFALFA WITH SORGHUM

Hay in Dairy Cattle Ration Maintains Production, Reports Bechtel

The value of alfalfa hay used with sorghum feeds in the dairy cattle ration for production maintenance has been demonstrated by tests being carried on at the Kansas Agricultural Experiment station, according to Dr. H. E. Bechtel, dairy specialist.

"The production of cows put on an 'all-sorghum' ration dropped about one-half during the first year, and one-fourth the second year," Doctor Bechtel said. This group of cows had access to all the chopped sorghum fodder they would eat and were fed two pounds of silage for each 100 pounds body weight, a sorghum grain mix and salt.

"The highest production was from the cows that received alfalfa hay—in place of the sorghum fodder—cottonseed meal, bone meal and wheat bran, in addition to the previous grain mix," Doctor Bechtel reported.

Another group of cows on the "all-sorghum" ration dropped only about one-third in production the first year, he said. These cows received cottonseed meal and bone meal in addition to the sorghum feeds, but were not fed alfalfa or bran.

"These results indicate that cottonseed meal and bone meal failed to make a reasonably good ration when used as supplements to a sorghum ration, but that production was maintained when the sorghum was supplemented with alfalfa hay and wheat bran," Doctor Bechtel concluded.

Honor to Rex Pruett

Rex L. Pruett, Culver, a junior at Kansas State College, has been chosen to receive a medal awarded annually by the National Society of Sons of the American Revolution to the outstanding junior R. O. T. C. student at K-State. The 12 competitors for the award were judged by members of the military science department on the basis of leadership, soldierly bearing and excellence in military studies.

EVERYDAY ECONOMICS

By W. E. GRIMES

"The alternate or survivorship account makes all the funds available to either the husband or the wife under any and all circumstances."

Many married couples carry their funds in a joint bank account. This type of bank account is often called the alternate or survivorship account. Either the husband or the wife may sign the checks. Both signatures are not required. Such an account has the advantage of making the funds available to either one in case of the death of the other.

If the wife checks on the husband's account by signing his name by her, then the account is automatically closed by his death and the wife's

checks cannot be honored by the bank. The account cannot become available until the court acts and the account is then administered as a part of his estate.

The alternate or survivorship account makes all the funds available to either the husband or the wife under any and all circumstances. Such an arrangement avoids delays, inconveniences and often expense in the event of the death of the husband, or the wife if the account is carried in her name.

WILDCAT TRACK TEAM CONQUERS DRAKE UNIVERSITY HERE, 101-30

FINISH FIRST IN 12 OF 15 EVENTS AS VARSITY RECORD FALLS

Baseball Nine Loses Two Games to University of Kansas Jayhawkers over Weekend, 1-3, 5-6, on Lawrence Diamond

The Kansas State trackmen rolled up their second straight victory in the only home dual meet of the season Saturday, when they downed the Drake university team 101-30.

The Wildcats finished first in 12 of the 15 events, although most of the times were slow and only one varsity record was broken.

Jim Upham, Junction City dash man, covered the 440-yard distance in 48.1 seconds for the new varsity record. In addition, he won the 220-yard dash and was anchor man on the winning mile-relay team, for top scoring honors of the day.

KEITH WINS LOW HURDLES

Ed Darden, Manhattan hurdler and captain of the Wildcats, and Al Rues, miler from Parker, turned in winning performances as Darden won the high hurdles in 15.1 seconds and Rues paced his distance in 4:19.9, one-half second over the varsity record.

Bob Keith, Manhattan, was victorious in the low hurdles event.

On the diamond, the Wildcats dropped out of the win column last weekend as the University of Kansas Jayhawkers avenged their defeats of the previous engagements, 3-1, 6-5, on the university diamond at Lawrence.

RAEMER HITS ONLY HOMER

In the Friday contest, Wildcat hitters obtained seven safeties from Knute Kresie, Jayhawk hurler, while Lee Doyen, Wildcat pitcher from Rice, allowed only five. But six K-State errors allowed three runs for the Hawks.

Saturday, Clarence "Huck" Heath, Leoti, allowed nine hits as the Jayhawks scored six runs. Norbert Raemer, Herkimer, made the only home run of the series when he lifted the ball over the left field fence.

KANSAS STATE FRATERNITIES PLEDGE 33 MORE STUDENTS

List Released by Dr. Harold Howe, Faculty Adviser, Includes 14 Groups

Names of 33 Kansas State College men were included on a fraternity pledge list issued recently from the office of Dr. Harold Howe, faculty sponsor of fraternity groups. Fourteen fraternities were in the announced list.

The men and their fraternities: Acacia—Leonard E. Wood, Burr Oak; James E. Decker, Burr Oak; Paul J. Andree, Bazine; Eugene Hill, Westmoreland; James H. Borth, Plains.

Alpha Gamma Rho—Harry G. Duckers, Netawaka; Raymond Nichols, Lecompton.

Alpha Kappa Lambda—Herman Patterson, Lorraine.

Alpha Tau Omega—George E. Adams, Jr., Horton; William R. Ekart, Alma.

Beta Theta Pi—Kenneth R. Chapman, Abilene; Robert Bisagno, Augusta.

Delta Tau Delta—James S. Garvey, Wichita; James Garvie, Manchester.

Farm House—Raymond S. Clark, Iola; Donald E. Riffel, Stockton; B. Gus Bicker, Dunlap; John R. Massey, Sun City.

Kappa Sigma—Hobert Neill, Vassar; Charles Saterlee, Junction City. Phi Kappa—Lawrence H. Noller, Topeka; John Henry Kirch, Larned; Paul L. Kelley, Solomon.

Sigma Alpha Epsilon—Richard A. Doryland, Manhattan; Paul Gerald Spring, Sabetha; Earl Hunter, Iola.

Sigma Nu—Henry J. Miller, Merriam; James B. McDonald, Topeka.

Sigma Phi Epsilon—Bernard A. Williams, Geneseo; Lawrence York, Jr., Wilmore.

Tau Kappa Epsilon—Jack Williams, Neodesha.

Theta Xi—Norris D. Olson, Collyer; Robert Huser, Deerfield.

Phi Delta Kappa Initiates

Four new members of Phi Delta Kappa, professional educational fraternity, initiated last week at a dinner meeting are Willard Barry, Manhattan; Glen Schultess, Manhattan; Donald Kimball, Lane; and Leonard Ottman, Barnes.

THE KANSAS INDUSTRIALIST

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Number 30

MORE THAN 100 FACULTY SHIFTS ANNOUNCED IN APPROVED BUDGET

PRICE WILL RETIRE FROM POST OF DEPARTMENT HEAD

**Parrish to History and Government
Headship; R. F. Gingrich Will Succeed G. R. Pauling as Superintendent of Maintenance**

With the announcement that the Kansas Board of Regents had approved the Kansas State College faculty budget for the fiscal year beginning July 1, President F. D. Farrell today released a list of more than 100 faculty changes.

Prof. R. R. Price, since 1903 professor and head of the Department of History and Government at K-State, will be relieved of his duties as department head effective September 1, 1942, and assigned to half-time service. Dr. F. L. Parrish, who has been a faculty member of this department since 1927, will succeed Professor Price as head September 1.

POSTMISTRESS FOR 31 YEARS

Effective July 1, G. R. Pauling, superintendent of maintenance since 1925, and a staff member since 1913, will be relieved of his present duties and appointed general engineer. R. F. Gingrich, who has been assistant superintendent of maintenance for 9 years, will succeed Pauling.

Miss Nellie May, College postmistress since 1911, will become assistant postmistress on a half-time basis, effective July 1, and will be succeeded as postmistress by Miss Pearl Clark, assistant postmistress since 1940.

ONE NEW POSITION

Other changes in the faculty personnel include 25 promotions, 26 resignations and 11 appointments. Ten faculty members will return this fall from sabbatical leaves or leaves without pay; thirty-one will be absent from College next year on leaves without pay. One new position, an assistant in the Department of Milling Industry, has been created for the coming year.

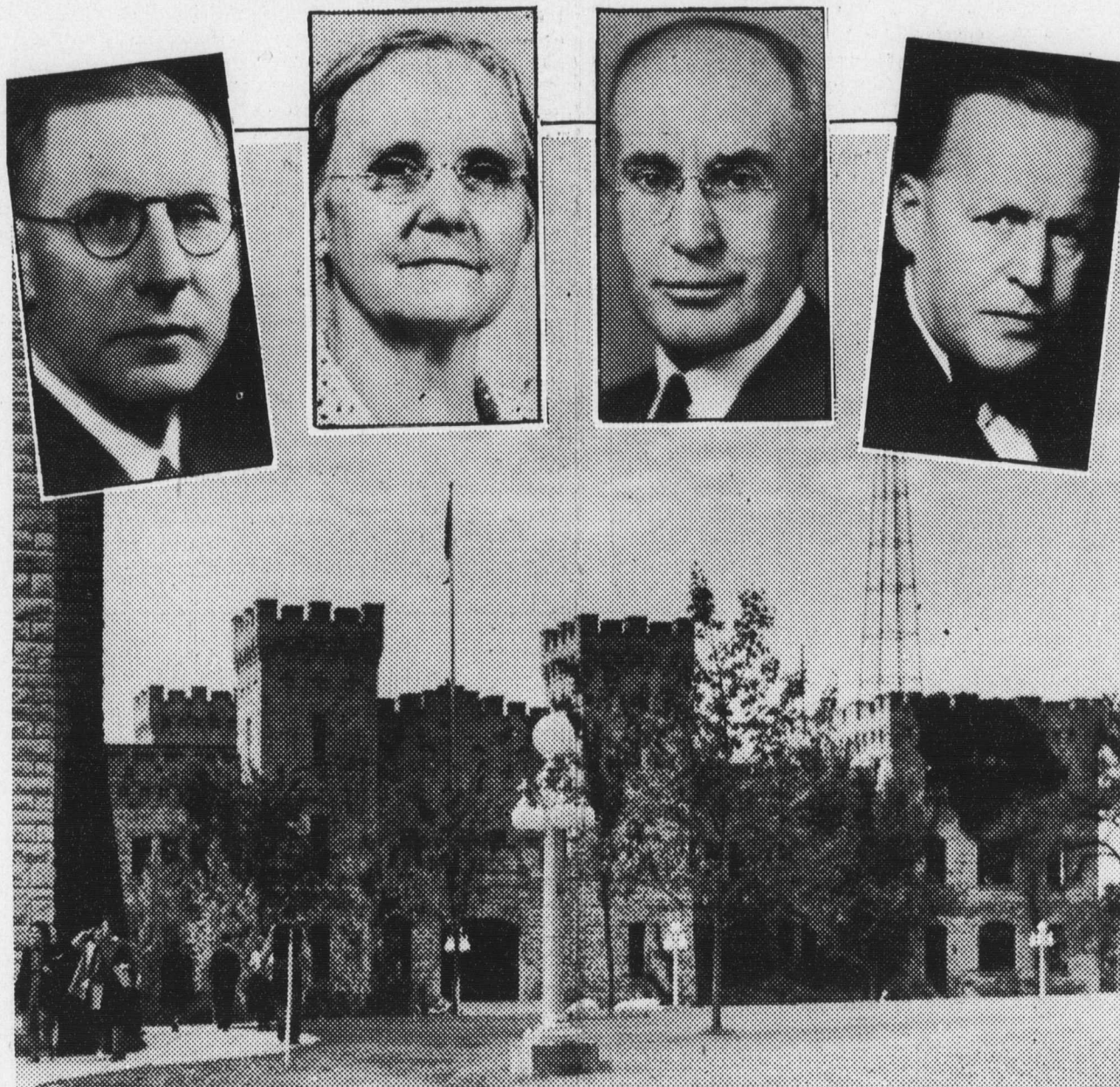
The changes:

Promotions—C. W. Mullen to assistant dean of agriculture; Dr. J. C. Hide, agronomy, assistant professor to associate professor; Kling L. Anderson, agronomy, assistant professor to associate professor; Dr. H. E. Myers, agronomy, associate professor to professor; Glen H. Beck, dairy husbandry, instructor to assistant professor; L. H. Koenitzer, applied mechanics, assistant professor to associate professor; H. E. Wichers, architecture, associate professor to professor; E. L. Sitz, electrical engineering, assistant professor to associate professor; Karl H. Martin, electrical engineering, instructor to assistant professor; G. F. Istranigan, machine design, assistant professor to associate professor; Wilson Tripp, mechanical engineering, assistant professor to associate professor; Clarence A. Pippin, mechanical engineering, instructor to assistant professor; Dr. F. E. Nelson, bacteriology, assistant professor to associate professor; B. W. Beadle, chemistry, assistant chemist to assistant professor; H. R. Bryson, entomology, assistant professor to associate professor; Dr. H. C. Fryer, mathematics, assistant professor to associate professor; M. J. Harbaugh, zoology, assistant professor to associate professor; Dr. Arthur L. Goodrich, zoology, assistant professor to associate professor; Dr. J. R. Chelkowsky, geology, instructor to assistant professor; Dr. Gladys Vail, food economics and nutrition, associate professor to professor; Roger Regnier, Boys and Girls club work, instructor to assistant professor; J. H. Johnson, Boys and Girls club work, instructor to assistant professor; Lora Hilyard, home demonstration work, instructor to assistant professor; Vera May Ellithorpe, home demonstration work, instructor to assistant professor.

Resignations—L. W. Hartel, assistant professor in physics, resigned May 31; J. H. McCoy, instructor in agricultural economics, resigned June 30; Miss Helen Merz, assistant in animal husbandry, resigned June 30; Donald P. Duncan, instructor in horticulture, resigned June 30; John Harris, graduate assistant in bacteriology, resigned May 31; Dr. Elizabeth McCracken, instructor in botany and plant pathology, resigned May 31; A. L. Neal, instructor in chemistry, resigned May 31; R. J. Beers, instructor in chemistry, resigned May 31; Roy Fritz, assistant in bacteriology, resigned June 30; C. R. Rogers, graduate assistant in entomology, resigned May 31; Donald Landis, graduate assistant in public speaking, resigned May 31; A. M. Garton, student assistant in geology, resigned May 31; Horace C. Traulsen, graduate assistant in agronomy, resigned May 31; Franklin Eldridge, graduate assistant in dairy husbandry, resigned May 31; Herbert F. Haas, graduate assistant in bacteriology, resigned May 31; George Cochran, graduate assistant in botany and plant pathology, resigned May 31; Charles Friede, graduate assistant in chemistry, resigned May 31; Donald Olson, graduate assistant in chemistry, resigned May 31; J. J. Bryske, graduate assistant in

(Continued on last page)

Kansas State Prepares for Seventy-Ninth Commencement



Here in the campus quadrangle north of Nichols gymnasium the stately baccalaureate and commencement processions will form this weekend for the march to the Stadium and final exercises for the class of '42. Participating in the programs will be, left to right, in insets, Edmund R. Secrest, '02, director of the Ohio Agricultural Experiment station, Wooster, Ohio, who will receive an honorary Doctor of Science degree at Commencement Monday night; Mrs. Alice Vail Waugh, '92, Amherst, Mass., who will be awarded an honorary Master of Family Life degree; President F. D. Farrell, who will give the charge to the class of '42; and Dr. Remsen B. Ogilby, president of Trinity college of Hartford, Conn., who will give the baccalaureate address Sunday. Summer school registration will be May 27, as Kansas State goes on a 49-week school year "for the duration." Enrollment for a four-week session will be July 27.

SURVEY REVEALS INDEX OF MINIMUM-COST BALANCED DIET HAS ADVANCED ONE-THIRD HERE IN PAST YEAR

Although March ceilings were clamped on food prices this week, it costs a Manhattan homemaker at least one third more to feed her family adequately now than it did in March a year ago and 40.1 per cent more than it did December, 1940.

These increases, computed on minimum-cost diets containing all essential nutritive elements, are revealed by a 16-month study made by dietetics classes under the direction of Miss Ella Jane Meiller of the Department of Food Economics and Nutrition. The amounts and types of foods were determined from publications of the Bureau of Home Economics.

Meats, fats and potatoes have shown the sharpest increases, while cabbage, the source of vitamin C, remains about the same.

In spite of seasonal fluctuations, from December, 1940, the prices jumped 8.5 per cent by March, 1940; 17.4 by July, 1941; 31.2 by December and the maximum of 42.1 by March, 1942.

Although a clever homemaker is doing well to feed her family for as little as 25 cents per person per day, she can do it for only 17.7 cents, or a total of \$6.18 a week for a family of five. This includes tax.

By careful planning and doing much of the food processing herself, she can feed them enough both in quantity and quality of essential foods, but variety suffers. She must

buy foods of each classification at bottom prices. However, her menus include meat, vegetables, fruit, milk, starches, sweets, eggs and fats. By varying methods of preparation, her family is able to have various healthful combinations at the lowest possible cost.

The chief economies come from making the family cereal and breads from home- or locally-ground cracked wheat, from buying in quantity and using skim milk with enriched fat. Instead of citrus fruit, raw cabbage is used for vitamin C. In buying eggs, the budget provides for "checks," eggs with irregular or checked shells sold by packing houses at a discount.

The low-cost budget for a family of five persons during the last week in March included 25 quarts of skim

milk plus vitamin enriched fats; 21 pounds and eight ounces of potatoes, either Irish or sweet; two pounds and 6 ounces of dry beans; eight pounds of raw cabbage; ten pounds yellow and green vegetables—carrots and spinach; nine pounds and eight ounces of parsnips, apples, an onion and raisins; 20 eggs; six pounds and six ounces of ground beef, supplemented with pork liver and whitening; 18 pounds and four ounces of home ground cracked wheat cereal and flour; four pounds and four ounces of fats; four pounds and ten ounces of sweetening; and 40 cents worth of accessories such as seasonings, coffee, tea, cocoa, yeast and the like. The total reaches \$6.18.

Compared with the preceding year's budget, the cost of the skim milk plus enriched fats had increased 27 per cent; the potatoes 32 per cent; and the meat, 46 per cent.

If prices had been permitted to continue upward in the same proportion as they did last year, the first of July would see total basic prices up another 8.9 per cent or an increase of 50 per cent within a year and a half. The ceiling prices, this week curbed on the March level, however, will stay within the budgets set up by the classes. The only food exceptions are eggs, poultry, butter, flour, mutton and lamb. Lids have been clamped on the March prices of canned and bottled goods, milk and bread.

Wampus Cats Elect

Wampus Cats, men's pep organization, have elected Howard Whiteside, Neodesha, next year's president. New vice-president is Wendell Bell, Silver Lake. Paul Jorgenson, Manhattan, is secretary, and Howard Teagarden, Manhattan, is treasurer.

573 STUDENTS ARE CANDIDATES FOR DEGREES AT KANSAS STATE

REGISTRAR'S LIST INCLUDES 542 B. S. ASPIRANTS

Names 133 in General Science, 89 in Agriculture, 53 in Veterinary Medicine, 132 in Engineering, 135 in Home Economics

Five hundred seventy-three students are candidates for degrees at the seventy-ninth annual commencement exercises at Kansas State College May 25. The list of candidates, announced by Miss Jessie McDowell Machir, registrar, includes 542 candidates for Bachelor of Science degrees, 29 candidates for Master of Science degrees and two candidates for Doctor of Philosophy degrees.

In addition, Mrs. Alice Vail Waugh, '92, of Amherst, Mass., and Edmund Ray Secrest, '02, will receive honorary degrees, Mrs. Waugh a Master of Family Life and Mr. Secrest a Doctor of Science.

HARRIS TO REPRESENT REGENTS

It was announced today by Vice-President S. A. Nock that the title of the baccalaureate address Sunday by Dr. R. B. Ogilby, president of Trinity college at Hartford, Conn., will be "The Relation of Truth to Freedom." Fred M. Harris of Ottawa will represent the Board of Regents at the Commencement exercises.

The list of candidates includes 89 in the Division of Agriculture, 53 in the Division of Veterinary Medicine, 132 in the Division of Engineering and Architecture, 135 in the Division of Home Economics and 133 in the Division of General Science, in addition to the 29 in the Division of Graduate Study, and two candidates for doctor's degrees.

The total of 573 candidates is 100 less than the total of 673 candidates in May, 1941.

51 MECHANICALS

The divisional totals of candidates for B. S. degrees include 19 candidates for the degree in Milling Industry in the Division of Agriculture. The Engineering and Architecture total includes five in agricultural engineering, two in architecture, six in architectural engineering, 19 in chemical engineering, 20 in civil engineering, 26 in electrical engineering, three in industrial arts and 51 in mechanical engineering.

The total of 135 in Home Economics includes six candidates for a B. S. degree in home economics and nursing.

The General Science totals include 52 candidates for a B. S. degree in general science, 33 in business administration, 5 in industrial chemistry, 18 in industrial journalism and printing, eight in music education, three in applied music and 14 in physical education.

The list of candidates for degrees:

Bachelor of Science in Agriculture: Howard R. Anderson, Partridge; Robert E. Arbuthnot, Morrowville; Ralph E. Barker, Douglass; John E. Barrick, Manhattan; Donald E. Bertholf, Sibley; Floyd H. Bjurstrom, Alma, Neb.; Dwight D. Blaesi, Abilene; Darrell R. Bozarth, Liberal; Gilbert Branda, Wilson; Acton R. Brown, Sylvan Grove; Arlo A. Brown, Almena; Dale E. Brown, Manhattan; James D. Bulger, Cherryvale; Howard L. Carnahan, Parsons; Dean Robert Cassidy, Clifton; James F. Cavanaugh, Dodge City; Lloyd W. Compton, Effingham; Riley Tieman Crow, Independence, Mo.; C. Bertil Danielson, Lindsborg; Max L. Dawdy, Washington; Leonard A. Deets, South Haven; Calvin A. Doile, Emporia; Vernon E. Eberhart, Turon; Theodore M. Ehlert, Neodesha; Richard L. Evans, Jr., Hutchinson; Jack B. Fields, Manhattan.

Raymond E. Fincham, Waterville; James R. Foster, Jr., Effingham; Dave J. Goertz, Hillsboro; M. Ben Goldfarb, Newark, N. J.; Norman J. Griffith, Clayton; William D. Guy, Liberty; Raymond D. Harrington, Syracuse; Ernest O. Harris, Havensville; Sherman N. Helm, Abilene; Clesson L. Hines, Kanorado; Oliver Conrad Jackson, Jr., Elsmore; George Preston James, East Greenwich, R. I.; Scott W. Kelsey, Topeka; Murray L. Kinman, Manhattan; Carlton M. Kinzler, Sturgis, Mich.; Orville K. Kirkpatrick, Bucklin; Harvey R. Kopper, Ingalls; Theodore W. Levin, Agra; Robert D. McClure, Highland Park, Ill.; Julius Henry Mal, Tribune; Kenneth E. Makalous, Cuba; Frank L. Marcy, Milford; Harold R. Mella, Bucklin; Richard G. Merryfield, Minneapolis; Joseph W. Mudge, Burlington; George A. Mullen, Jr., McCune.

Warren B. Nelson, Manhattan; Oscar W. Norby, Pratt; Harold Peterson, Bridgeport; Roger N. Phillips, Manhattan; Walter H. Porter, Council Grove; Eugene C. Roe, Glendale, Ariz.; Joseph S. Rogers, Horton; Raymond R. Rokey,

(Continued on last page)

The KANSAS INDUSTRIALIST

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KENNEY FORD, Alumni Editor

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WEDNESDAY, MAY 20, 1942

'WHAT THE WAR HAS MEANT TO ME'

The following essay, written by Ann Giesen, a sixth grade student in the Manhattan public schools, has much more than local or regional interest:

"A little over a year ago my father was called into the army as a lieutenant. Since then he has been promoted to a captain. He was ordered to Ft. Riley, Kansas.

"When he was called it meant we would have to leave our home town, our friends, our school, our dog, and our house. I thought it was very hard to do this. I loved my home town and everything and everyone in it. I thought someone was taking it away from me that had no right to. It was very foolish of me to think this. People all over the world are making sacrifices ten times, a hundred times as big as the one we made.

"Since we have been in this war Americans have had a new feeling. A feeling of love. Love for our country, a great country. This is a feeling we might not have had in peace times. Everywhere Americans are learning how much we love our country.

"I have learned that people in Kansas are just as much Americans as people in Virginia. I have found that it doesn't matter if you live in the east or west, or north or south just so you live in America.

"This is what the war has meant to me."

BOOKS

Down Under

"Introducing Australia." By C. Hartley Grattan. The John Day Company. New York. 1942. \$3.00.

On his return from Australia several years ago, an American said that when he had been there a month he resolved to write a book about the country but that he made the mistake of remaining there three months so that he discovered that he knew nothing about the subject. Mr. Grattan did better. He made two visits ten years apart, remaining eight months the first time and twenty months the second. The second visit ended in September, 1938. For the past fifteen years he has been reading and writing about Australia and interviewing Australians. These activities and his two periods of firsthand observation have enabled him to write a highly informative book.

Now that the land down under is closely associated with the United States in the war against Japan, the book is distinctly timely for us. It appears that the Australians know even less about the United States than we know about Australia. The author says, "I have come to the conclusion that the Americans have a far more flattering general impression of Australia than the Australians have of America." He quotes a distinguished Australian as saying to an advocate of a free library system for Australia that "if libraries will make Australians like Americans, who seem to like the libraries you want, then I'll oppose libraries." But developments since Pearl Harbor have brought sweeping changes in sentiment in both countries.

The book contains descriptions of the geography, the agriculture, the industries, the politics and the culture of Australia. There is an exceedingly valuable statistical appendix. Geographically, as well as in

most other respects, Australia is but little understood in the United States. Because the continent is comparable in size to our own country we erroneously assume analogies that do not exist. We err particularly in not recognizing that most of Australia is essentially desert country. "I am afraid," the author says, "the average sightseer would often agree with the comment of an Englishman who, after traveling for hundreds of miles in the sheep country of western Queensland, remarked, 'It all seems so unnecessary.' " Australia is a "fringe" country. Its productive land and most of its population are in narrow fringes near the seacoasts. Moreover, its population is more urban than rural.

Perhaps the most interesting feature of Australia is its political institutions. These are the results of bold pioneering governmental ventures of the population (which is overwhelmingly British) and of the clashes and compromises of radical and conservative elements among the people. Socialization has gone further in Australia (and New Zealand) than elsewhere in the British Commonwealth of Nations or in the United States. This development has produced more evidence of both the merits and the pitfalls of socialization than is available in other English-speaking countries. The politics of Australia is probably more complex than that of any other democracy. This is due in part to the involved relationships of Federal and State governments and in part to the stubborn diversities of interest among the people.

Originally devoted exclusively to agriculture (including range livestock production) and mining, the Australians in recent years have made great strides in the development of manufacturing industries and of air transportation. The continent has rich resources of coal, iron, copper, zinc, manganese, lead, and a few other minerals. It is deficient in petroleum, nitrates, phosphates, tin, sulphur, potash and several other important items. There is a superabundance of food. Financially, Australia is heavily involved with Great Britain, which the Australians think of and speak of as "home."

As in this country there is frequent conflict between primary producers, on the one hand, and the manufacturing, transportation and financial interests, on the other. Thanks to the bold and aggressive nature of the people, these conflicts are not kid glove affairs. Since the first world war Australia's increasing preoccupation with international relations has added to her complexities and perplexities.

In many essential respects, Australia is still a pioneer country, with all that that implies of hardship, vigor, courage, resourcefulness and daring. One of the pleasures of reading this book is that it gives a picture of a pioneering people in action. Such a picture is refreshing and heartening in a world in which too many of the pictures suggest world-weariness and decadence.—F. D. Farrell.

THE WET EARTH

Almost 72 per cent of the earth is covered by water. The superficial area of the earth includes approximately 139,440,000 square miles of ocean and 57,510,000 square miles of land, on which there are approximately a million square miles of lake and river surface. It is estimated that the oceans of the earth contain 323 million cubic miles of water. The deepest place is the Milwaukee depth north of Puerto Rico, 30,246 feet. The average depth of the ocean below sea level is 12,450 feet, or about five times the average height of land above sea level.—From the Pathfinder.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Dr. J. E. Kammeyer acted as one of the judges in a national employees' speaking contest sponsored by the National Electric Light association in Kansas City.

Dean J. E. Ackert, professor of zoology and experiment station parasitologist, was elected to serve on the editorial board of the Journal of Parasitology for a period of three years.

Miss Emma Hyde, associate professor of mathematics, spoke before the graduates of the Iola junior college. Miss Hyde was state president

of the American Association of University Women.

TWENTY YEARS AGO

Esther Wright, '21, was assistant dietitian at Johns Hopkins hospital, Baltimore.

Ralph E. Franklin, '20, was in charge of the radio station at Kahuka, Ohu, Hawaii. He was in the employ of the American Radio corporation.

Francis G. Welch, '20, professor of agriculture at the Emporia State normal, was elected president of the Lyon County Alumni association. R. W. Edwards, '11, was elected secretary.

THIRTY YEARS AGO

B. B. Baird, '11, who had been farming near Riley since his graduation, was elected to teach agriculture in the state high school at New London, Minn.

L. H. Beall, assistant professor of English literature, delivered the eighth grade and high school commencement address at Gem. He also gave the county commencement address at Colby.

FORTY YEARS AGO

Ross Long, '99, was admitted to the Topeka bar.

Prof. A. B. Brown was appointed by the Kansas Music Teachers' association as a delegate to attend the National Music association convention at Put-in-Bay.

Myrtle Mather, assistant in the Preparatory Department and a member of the senior class, was chosen from among several candidates to take up the teaching of domestic science in the Girls' Industrial school at Beloit, work being inaugurated under the direction of Miss Gertrude Curn, '91.

FIFTY YEARS AGO

Professor Olin was chosen as instructor in the Riley County Teachers' institute.

H. E. Moore, '91, was employed by Hulse, Bradford and Company, wholesale upholsterers in Portland, Ore.

C. A. Campbell, '91, was employed by the Horticultural Department in preparing material for exhibition at the World's Fair.

SIXTY YEARS AGO

The weekly lecture was given by Professor Ward, whose subject was "Self-Culture."

At the meeting of the Webster society, the question debated was "Resolved, That all taxes should be raised by a direct levy upon the wealth of the country." Messrs. Berry and Gross presented the affirmative, and Messrs. Needham and Marlatt the negative.

SCIENCE TODAY

By H. H. KING

Professor and Head, Department of Chemistry

The salt of the earth. Salt for the kitchen and the table, salt for industry, for medicinal uses, for war and for peace, salt for chemical processes, for the production of more commodities of value to man than are produced from any other mineral obtained from beneath the surface of the earth.

Recognition of the life giving qualities of salt—vast deposits of which give Kansas a potentially strategic position industrially—was centuries old when Pliny wrote, "All the amenities of life—supreme, hilarity and relaxation from toil, cannot be characterized better than the salt of life. Even in the very honors bestowed upon successful warfare, salt plays its part, and from it our word Solarium comes." "Solarium," salt money—with which the Romans paid generals and military tribunals—is the origin of the word "salary." Hence, a man may not be "worth his salt."

The average consumer comes by his salt with such little effort that he takes it for granted, forgetting that he could not live without it. Since it is a natural constituent of most foods, the amount in which it is consumed in food—a yearly average of some 29 pounds per person—is little appreciated.

But the immense value of salt as a source material for many industrial enterprises is appreciated even less. Vast chemical enterprises—often referred to as "heavy chemical" or "alkali" industries—are based upon this material.

Some conception of the industrial role Kansas may be made to play can be obtained by a quick look at a few of the production statistics of the alkali industry. Products made from salt, it should be realized, serve directly or indirectly in the preparation of almost every other compound. Three alone, soda ash, caustic soda and chlorine, are manufactured on a scale running to four or five million tons a year.

In 1939, 30 establishments produced 1,025,011 tons of caustic soda, consuming 74,854 tons of this themselves and selling the rest on the market for some \$34,541,500. In the same year 16 plants produced 2,960,722 tons of sodium carbonate, or soda ash, and sold 2,145,701 tons for \$32,862,916. Six plants, in 1939, produced 148,610 tons of sodium bicarbonate (baking soda) valued at \$3,839,018.

What about chlorine, which with caustic soda and hydrogen gas is formed in the electrolysis of sodium chloride (salt)? Chlorine is of great value in peace or war. One of the first chemicals put under priorities, its use in making war materials is so manifold and indispensable that many peacetime uses have been halted. It has been reported that one ton of chlorine is used in building

each tank and two tons for a plane. It is used in making high octane gasoline for planes and tanks and for making diethylene glycol, a cooling liquid for high speed engines.

It is required for producing trichloethylene, much needed degreasing agent for plane engines and other parts, and goes into the production of plastic products used for cowlings and cockpit covers for war planes, and for insulating degaussing cables used to protect ships from magnetic mines. War gases, the carbon tetrachloride in fire extinguishers, certain synthetic rubbers and even the soldiers' drinking water require chlorine.

How does Kansas fit into this picture? The answer is not a simple one. Kansas is blessed with one of the largest deposits, if not the largest deposit, of salt in the Western hemisphere and therefore has the parent compound from which all these valuable products are derived. Why, then, if Kansas has all this, aren't industries built on this commodity now operating in Kansas?

A manufacturing plant must be so located with respect to the consuming industries that the costs of raw materials, manufacturing operations and transportation permit the delivery of the cheapest pure product to the consumer. The production of one ton of 76 per cent caustic soda and 1,750 pounds of chlorine a day, for example, requires 1.7 tons of salt, 50 pounds of sodium carbonate, 200 pounds of 66-degree sulphuric acid, 20,000 pounds of steam, 18 man hours' labor, 2,500 K. W. hours' electricity and refrigeration for liquefying chlorine.

Kansas has cheap salt, fuel and good labor. The chief bottleneck now is electrical power, and the time is coming when this will be remedied by the use of our abundant natural gas to produce the steam which turns the generators.

The raw materials needed to make soda ash are lime, ammonia, carbon dioxide and a salt solution. Lime and carbon dioxide are obtained by heating limestone, a Kansas mineral. The state already has an ammonia plant, and the salt—as we have seen—is available in almost inexhaustible quantities.

In addition to these three large-scale production commodities coming from salt, there are scores of other essential sodium and chlorine compounds, all using salt as the parent material.

The markets for heavy chemicals, moreover, are rapidly being set up in Kansas and neighboring states. Many defense plants now being erected near here can be converted easily into peacetime operations. They will be consumers of salt products, as will all the minor manufacturers feeding the larger industries.

It may be concluded that in the future business interests should give greater heed than ever before to the industrialization of our salt deposits.

KANSAS POETRY

Robert Conover, Editor

PRAIRIE-BORN

By Marian Steck Stanley

Prairie boy with wishful gaze,
That forever, questingly,
Far beyond the windbreak trees
Travels westward to the sea,

Many an old man, sunning where
Breakers crash their changeable moods,
Shades his tear-dimmed eyes and hears
Storm wind in your cottonwoods.

Marian Steck Stanley has lived in Salina since early childhood, taught English and history in the Salina schools, and was for some years society and music editor on the Salina Journal. Her verse has been published in Sunset, The Lyric West, The Harp, The Kansas Industrialist, the Kansas City Star and other newspapers.

SUNFLOWERS

By H. W. Davis

OFFICE OF NECKTIE CURTAILMENT

Sooner or later the professors of war-economy are going to take neckties away from us men—I bet and hope.

Personally I won't raise much fuss, for I have enough on my neck and around it already. Besides, neckties are useless, uncomfortable, and often atrociously inartistic.

But I am going to start howling if those paternalistic bureaucrats at Washington dragging down 10,000 fish per annum of our money begin to ooze into the rationing of neckties as they have oozed on rubber and gasoline.

If some one "high in authority" in the O. N. C. (Office of Necktie Curtailment) gives out an interview some Monday that neckties over 38 inches in length with red spots more than 2.3 inches in diameter will be treasonable after July 5, and if the Chief of the O. N. C. denies it on Thursday with a statement that the over-all length may be 42 inches and the red practically unanimous, I shall know what is coming and probably go into a protective coma.

For by Sunday some news-hound will have seen Donald Nelson about it and learned that the W. P. B. is behind O. N. C. body and soul and that we must divert our necks and everything about them to the war-economy, no matter how it hurts. Even if neckties can be only 23 inches long, one inch wide or less, and gray all over, what of it? We must beat Hitler to the draw.

On the following Tuesday Senator Sock will introduce a bill making the penalty for wearing a colored necktie more than 25 inches long "death by strangulation with said necktie," and the fat will be in the fire for sure.

Necktie manufacturers will invade the District of Columbia en masse over the week-end to howl that only 237.27 acres of land were devoted to the cotton used in silk and wool neckties in 1941 and that the whole amount would make only 43 summer uniforms for buck privates, anyhow.

Finally Chief of O. N. C. will announce officially and boldly that no neckties whatever may be worn between May 9 and October 3 and only bow ties 14 inches longer than the circumference of the neck and 1½ inches wide will be tolerated between October 3 and May 9. And that will be that.

What I favor is the chief's getting his facts and making his decision on the quiet, then issuing his order like a drill sergeant.

That's the way it was done on suspenders and nightie ruffles—and nobody whimpered a single whimper.

ALL MUST SERVE

It is not up to the President alone. A false faith in the efficacy of the Leader is paralyzing.

It is not up to officials alone. In democracy the duty to lead devolves upon countless leaders, the natural group leaders in every community in the land.

It is for them as much as for the President to rouse the country from its bottomless complacency. . . .

What one person feels, what one person says, what one person does, makes a difference, a vital difference.—From editorial in Fortune Magazine.

AMONG THE ALUMNI

John U. Higinbotham, B. S. '86, reports that he and Bernardine (Mitchell) Higinbotham still live at Saratoga, Calif. He writes a weekly column, "Detour," for the Los Gatos Mail News and Saratoga Star.

Lorena (Clemons) Records, B. S. '94, gives as her occupation housewife and management of court property, and her address 1141 B. 14th Street, Santa Monica, Calif.

Andrew B. Symms, B. S. '98, and Edith Pearl (Hagaman) Symms write that they are "plain dirt-farmers at Bendena, Kansas."

Helen Monsch, '04, is head of the Department of Foods and Nutrition, College of Home Economics, Cornell university. She will have been there 24 years this July. Her residence address is Route 4, Ithaca, N. Y.

Ernest A. Wright, E. E. '06, and Augusta (Amos) Wright, f. s. '07, visited in Manhattan during May with the E. M. Amos family. Mr. Wright was recently transferred in the Rural Electrification Administration from Washington, D. C., to St. Louis, Mo., where he has his offices in the Boatmans Bank building. He is regional construction engineer.

Herman A. Praeger, Ag. '08, and Gertrude (Grizzell) Praeger, D. S. '08, Claffin, Kan., have a son, Capt. Ralph Praeger, who graduated from West Point two years ago and was on Corregidor or Bataan peninsula. Mr. Praeger is a farmer and member of the Kansas AAA board.

James W. Benner, D. V. M. '11, is associate professor of animal husbandry and college veterinarian, New Mexico College of Agriculture and Mechanic Arts, State College, N. M. He and DeNell (Lyon) Benner, H. E. '11, may be addressed Box 16, Mesilla Park, N. M.

Emma (Kammeyer) Hull, H. E. '12, and Dan R. Hull, f. s. '10, live at 112 North Electric Avenue, Alhambra, Calif.

John A. Vohringer, Ag. '13, and Irene (McCreary) Vohringer, B. S. '12, are at Shellbanks Farms, Hampton, Va. Mr. Vohringer writes, "My position is production manager for the agricultural department, Hampton institute, Hampton, Va."

Byron E. Blair, Ag. '14, writes that he has been owner and publisher of the Sawyer News in Sawyer, Kan., since August, 1934. He and Lora (Brown) Blair, f. s. '14, live in Sawyer.

Irl Fleming, Ag. '16, is manager of Graves drug store in Junction City. He and Alice (Elberson) Fleming, f. s., have a daughter, Irlene, who is 3. They live at 322 West Chestnut, Junction City.

Herbert J. Helmkamp, F. M. E. '18, is state agent for the American Eagle Fire Insurance company, the Continental Insurance company, the Fidelity-Phoenix Fire Insurance company, in the states of Colorado, Wyoming, and New Mexico. He and Pearle (Semke) Helmkamp send their address as 444 Colorado Boulevard, Denver.

Clifford S. Rude, B. S. '19, and Gladys (Garland) Rude, B. S. '18, sent their change of address from Gainesville, Fla., to Box 96, Menard, Texas. Mr. Rude is employed as entomologist with the Bureau of Entomology and Plant Quarantine.

L. J. Horlacher, M. S. '19, is assistant dean of the College of Agriculture and Home Economics, also professor of animal husbandry, University of Kentucky at Lexington. He and Vaneta (Thomas) Horlacher live at 639 Maxwellton Cite, Lexington.

Mabel C. Adams, H. E. '20, teaches home economics and commercial work at the Pierceville high school, Pierceville, Kan. She sends her permanent address as 501 12th Street, Garden City, Kan.

Mary J. Hill, H. E. '20, is now staff dietitian of the Army and Navy hospital, Hot Springs, Ark. She will have been there a year this July.

Lucile C. Hartmann, H. E. '21, operates The Hartmann Guest House, Blowing Rock, N. C., during the summer. Her home and winter address is 120 North Adams Street, Hutchinson, Kan.

Eva (Leland) Anset, H. E. '22, writes, "We are in Madison, Wis., for about 5 months. Mr. Anset is working for the architectural firm which

has the contract for the army radio school here. He just finished working on the bomb loading plant at Parsons, Kan." Their permanent address is 1120 Emporia, Wichita.

H. D. Karns, Ag. '24, M. S. '33, is principal of the Junction City junior-senior high school, Junction City, Kan. He and Helen (Lank) Karns have two children, Bruce Hardy, 12, and Carol Jean, 4, and live at 1418 North Jefferson. Mr. Karns is secretary-treasurer, Principals association of Kansas, and a member of the Lions club.

James R. Moreland, Ag. '24, is with the U. S. Weather Bureau Office, Oklahoma City, Okla.

Dr. J. A. Munro, M. S. '25, has just finished his graduate work at Cornell university for the degree of doctor of philosophy, and has sent his change of address back to 1234 Third Street N., Fargo, N. D. He has been on leave from his position as head of the department of entomology at North Dakota State college in Fargo.

Charles E. Dominy, Ag. '26, formerly a member of the staff at Kansas State College, now has a position with the Surplus Marketing Corporation in this territory and will continue to make his home in Manhattan. He spent some time during January in Washington receiving instructions from the federal department. He and Mary (Burnett) Dominy live at 513 N. 16th Street, Manhattan.

Maude E. Stitt, H. E. '27, has accepted a position as extension nutritionist in South Dakota, with headquarters at the South Dakota State Agricultural college. She has been home demonstration agent in Glenwood Springs, Colo.

Dwight D. Smith, Ag. E. '28, is project supervisor with the Soil Conservation Service located at the experiment station, research division, University of Missouri. He and Grace (Latimer) Smith are at 1706 University Avenue, Columbia, Mo.

G. Clair Jordan, G. S. '29, M. S. '32, and Kathryn (Wilson) Jordan, G. S. '29, are at 1109 Lakeview boulevard, Albert Lea, Minn., where Mr. Jordan is the dean of the junior college.

J. Fred True, Jr., Ag. '29, writes, "Please send my copy of THE INDUSTRIALIST to P. O. Box 62 at Fort Scott, Kan., instead of the old address at Pittsburg. I am still with the Union Central Life Insurance company, but in a different territory." Mrs. True is the former Vera Strong, f. s.

Joseph F. Holsinger, C. E. '30, is assistant professor of physical education, assistant football coach, and freshman basketball coach at Michigan State college, East Lansing, Mich. He and Dorothy (Sappington) Holsinger are living at 1019 Huntington Road, East Lansing.

Venita (Schade) Higgins, Music '31, sends in her address as 1511 Tauromee Street, Kansas City, Kan. Her husband Maj. Arlie Higgins, '29, was in the Philippines with the U. S. Armed Forces. She is taking a business course at present at the Central Business college, K. C., Mo.

R. O. Blair, Ag. '32, and Winsom (Coles) Blair, f. s. '32, have a recent change of address. Mr. Blair writes, "Please change our address from Albert, N. M., to Fountain, Colo. I accepted the managership of the Roby ranch, January 1, and have been living here since that date. Please send THE KANSAS INDUSTRIALIST to me here."

Capt. Charles W. Evans, E. E. '33, is instructor in wire communication in the Signal Corps school, Ft. Monmouth, N. J. He and Marian (Evans) Evans, Com. '34, live at 138 Norwood Avenue, Apt. 2, Long Branch, N. J.

Jonah Schreiner, G. S. '34, and Myrabel (Barnes) Schreiner are at 3017 East Central, Wichita. Mr. Schreiner's business address is 1100 East 21st, where he is machinist for the Derby Oil company.

Earl L. Kent, E. E. '35, M. S. '36, and Nina (Sherman) Kent, H. E. '36, are at 1234 Prairie Street, Elkhart, Ind. Mr. Kent is chief electrical engineer in charge of the department of electrical engineering and research, C. G. Conn., Ltd. Their present work is designing and developing special instruments to aid in speeding up production in war instruments and planes. He writes that the plant is producing many important things for the war effort.

Frank I. Zoglin, Arch. E. '36, is sales manager for the factory distributor of Stokol Stokers in the Kan-

sas City territory. He is with the Gray-Bryan-Sweeney Coal company. He and Molly (Rashbaum) Zoglin live at 811 Armour, Kansas City, Mo.

Lt. Lyle M. Murphy, Ag. '37, now is stationed at Camp Croft, S. C. He was formerly research instructor in horticulture at Rhode Island State College, Kingston, R. I.

Margaret (Lewis) Stewart, H. E. '37, is now a graduate assistant in the Department of Institutional Management at Kansas State College, and is working on her master's degree. Her husband, Lt. Everett Stewart, f. s., was stationed in Hawaii on the morning of December 7, 1941, and she gives interesting reports of the quick first aid work which she assisted in organizing there. She came over on the first boat from Hawaii on an hour's notice December 18.

Mildred Peterson, H. E. '38, is home economist for the Kansas Electric Power company. Her address is 802 West 15th, Emporia, Kan.

Clifford R. Krabbenhoft, C. E. '38, and Vernice (Shipman) Krabbenhoft, H. E. '38, are at 7722 N. Ashland, Chicago, Ill. Mr. Krabbenhoft is soil cement engineer with the Portland Cement association, 33 West Grand Avenue. He is also president of the junior members of American Society of Civil Engineers, Illinois section.

Ruth J. Dales, M. S. '39, is director of nursery school education in the family life education program, Toledo, Ohio. Her residence address is 1002 Grand Avenue in Toledo.

Richard B. Schwitzgebel, I. J. '39, M. S. '41, 16 West Ninth, Hutchinson, Kan., is agent for the Bureau of Entomology and Plant Quarantine doing entomological research and experimentation at Hutchinson. His wife is Doris (Dillon) Schwitzgebel.

Doris (Augustus) Derthick, H. E. and N. '39, and Charles H. Derthick live at 177 Retreat Avenue, Hartford, Conn. Mrs. Derthick does private duty nursing for obstetrical analgesia at the Hartford hospital.

Leland S. Frey, Ag. '40, writes that he is in partnership on a grade A dairy and handles the operation, at Rough and Ready, Calif. He and Elberta (Krehbiel) Frey, f. s. '39, live at Rough and Ready.

Ross Beach, G. S. '40, and Marianna (Kistler) Beach, I. J. '41, are at 606 1-2 North Broadway, Apt. 1, Pittsburg, Kan. Mr. Beach is an instructor in the McFarland Flying school.

Jessie Collins, H. E. '41, is home economist for the National Live Stock and Meat board. Her work includes traveling with demonstrations, talks, and preparing radio scripts for the board. Her address is Ag Hall B-6, Ames, Iowa.

Margaret Schnacke, H. E. '41, teaches home economics at Stockton, Kan.

LOOKING AROUND

KENNEY L FORD

Kansas State may repeat the record made in the last year of providing more major-generals in the Army than any college in the country besides West Point.

Word has just been received that Harold M. McClelland, '16, was promoted to the rank of Brigadier General in April. General McClelland is in the Air Corps overseas.

News of two more alumni who are coming for commencement: W. O. Peterson, B. S. '97, Marshalltown, Iowa, has ordered his cap and gown for Commencement. He is retired salesman of the U. S. Chamber of Commerce.

Miss Lois Failyer, B. S. '07, 25 Prospect Place, New York City, N. Y., plans to be here for the reunion and hopes to see many of her '07 classmates.

A summary of the annual report of the Kansas State College Alumni Association for the year ending April 30, 1942, shows:

1. Eighty-five alumni became paid-up life members.
2. The sum of \$2,144.45 was received on annual memberships.
3. Thirty-three local alumni groups throughout the country held one or more meetings. Twenty-three of these were attended by the alumni secretary.
4. Loans to students needing finan-

cial assistance amounted to \$31,-324.25.

5. Payments of \$4,053.55 were received on life memberships.
 6. \$1,800 in gifts were made to the Alumni Loan Fund.
 7. \$1,125 in gifts were received for the Library Fund.
 8. A war register is being kept of all alumni in the armed forces.
- The officers of the Alumni Association are grateful to all alumni for their generous support of the Alumni Association.

MARRIAGES

MILLER—OSBORN

The marriage of Olive A. Miller, H. E. '38, and Walter Osborn took place April 14. They are at home at 915 Barnett, Kansas City, Kan.

WADLEY—HUGUNIN

Katherine Jean Wadley, H. E. '41, and A. Hugunin were married December 12, 1941, and now live at 340 West Latham, Phoenix, Ariz. Mr. Hugunin is in the army.

HAY—MEARS

Pattie P. Hay, H. E. '41, was married to Lt. Forrest Mears, f. s., on April 24, 1942. They live at 3301 Jefferson, Bakersfield, Calif., where Lieutenant Mears is stationed.

BEASOM—KIRGIS

Ida Beasom and Capt. Howard Kirgis, G. S. '36, were married May 2. Mrs. Kirgis is in the army nurse corps. Their mailing address is U. S. Marines, c/o Postmaster, San Francisco, Calif.

GREEN—WELLS

Dorothy Green, H. E. '41, and Lt. O. Rex Wells, B. A. '41, were married April 19, 1942, in the Methodist church in Ft. Collins, Colo. Dorothy is the daughter of Roy M. Green, M. S. '22, president of Colorado State college, and Mrs. Green. She was a member of Pi Beta Phi social sorority. Lieutenant Wells entered the army January 12, 1942, before which time he was attending law school in Denver university. He is stationed at Camp Wallace, Galveston, Texas. Mrs. Wells returned after the wedding to Eaton, Colo., to complete her school term as teacher of home economics.

BIRTHS

Word has been received of a son born to Lt. W. T. Keogh, '42, and Beth (Hickman) Keogh, February 24, at Ft. Shafter, Hawaii.

To Capt. Paul E. Pearson, Com. '31, and Martha (Harrop) Pearson, a son was born March 21. Captain Pearson is in the Philippines, and Mrs. Pearson is living in San Antonio, Texas.

Carolyn Louise is the name chosen for the daughter of Prof. E. D. Warner, Arch. E. '34, and Lucile (Morton) Warner, who was born April 21. They live at 1721 Pierre and Mr. Warner is an architect with the Extension division.

John Perrier, Ag. '39, and Dorothy Jane (Bell) Perrier, G. S. '38, are parents of a daughter, Roberta Ann, who was born April 27. Mr. Perrier is county agent in Dodge City, Kan., where they live.

Emory C. Grove, C. E. '27, and Mary (Carnahan) Grove, f. s. '27, wrote recently to announce the birth of a son February 18. He has been named Douglas MacArthur Grove. Mr. Grove is employed by the Kansas Highway commission at Sabetha, where they live.

S. Paul Wallingford, Mill. Ind. '39, and Margaret (Wilson) Wallingford, f. s., have a son born Saturday, February 28. The child's name is Jerome "Jerry" Paul. They live in the Ayres apartments in Wichita, where Mr. Wallingford runs the Wallingford Elevator company.

Wilbert G. Fritz, R. C. '27, and Cora Mae (Geiger) Fritz, G. S. '29, sent announcement that their son, Gilbert Geiger Fritz, was born April 16, in Washington, D. C. Mr. Fritz is on the National Resources Planning Board in Washington, and the family lives at 305 North Kenmore St., Arlington, Va.

RECENT HAPPENINGS ON THE HILL

Old members of Prix, junior women's honorary organization, were entertained by the new members at a bowling party last week.

The Kansas Magazine was the subject of the talk given by its editor, Prof. R. I. Thackrey, head of the Department of Industrial Journalism and Printing, at a meeting of the Southwest Kansas Editors association in St. John Saturday.

Officers of the Engineer council for next year are president, George Mendenhall, Belleville; vice-president, Max Gelwix, Thayer; secretary, Ed Hellmer, Olpe; treasurer, Arthur Fillmore, Augusta; manager of Open House, Leon Findley, Kiowa.

"New Ammunition—Meat," an article entered in the National Livestock and Meats board essay contest last winter, won for the author, Rachel Erickson, senior in home economics, the first prize of \$200. The paper of 1500 words was written and submitted to the contest as a requirement for a meats class.

Appearing on the campus this week is the May issue of the Kansas State Engineer, the first issue to be edited by the newly elected staff. According to Grant Marburger, Lyons, new editor, the issue includes several articles by engineering students and an editorial by W. L. Faith, head of the Department of Chemical Engineering.

George Wreath, Manhattan, was presented a plaque at the sixth annual banquet of the Block and Bridle club, departmental organization in animal husbandry, Saturday for being the outstanding senior in the College chapter. Will J. Miller, state livestock sanitary commissioner for Kansas, was voted an honorary member of the club for 1942.

New initiates of Sigma Delta Chi, honorary journalism fraternity for men, are Robert Gahagen, Manhattan; Jack Curtis, Garden City; and James Sharpe, Council Grove. Ivan Gillett, editor and publisher of the Sedan Times-Star, and Walter Daly of the Agricultural Adjustment Administration, were initiated as professional members last week.

DEATHS

VINSON

Word has just been received of the death of Augustus G. Vinson, B. S. '15, on May 27, 1940. Prior to his death he was head of the department of agriculture at Northwestern State Teachers' college, Alva, Okla. One daughter and a son survive.

FRIZZELL

Herbert H. Frizzell, Ag. '16, died March 31, 1941, of a ruptured appendix. He was soil conservationist at Morris, Okla., prior to his death. Surviving him are his wife, Grace corps where Captain Kirgis is stationed, all of whom live at 309 North Waco, Wichita.

In Commencement Recital



Maria Van Delden, soprano of the Metropolitan Opera company, will present the annual recital complimentary to the graduating seniors Sunday at 4 p. m. in the Auditorium.

THE KANSAS INDUSTRIALIST

Volume 68

Kansas State College of Agriculture and Applied Science, Manhattan, Wednesday, June 3, 1942

Number 31

SUMMER ATTENDANCE EXPECTED TO BREAK 1931 RECORD OF 1,059

1,048 REGISTER FOR NINE-WEEK
SESSION ALONE

Influence of War Seen in 62.4 Per Cent
Increase in Number of Men En-
rolled; 201 Engineers, 134
Vets Attend

With 1,048 students already en-
rolled, total attendance at Kansas
State College summer sessions this
year will break all former records,
it was predicted here today.

The present incomplete registra-
tion of 1,048 is 21.4 per cent greater
than the enrolment during the nine-
week summer session last year and
only 11 fewer than the total for the
largest summer school attendance
ever recorded here—1,059 in 1931.
This figure will be surpassed easily
when the registration figures for the
regular four-week summer session
and a special four-week August ses-
sion are added.

SPEED-UP HAS EFFECT

The influence of the war on the
summer school attendance is appar-
ent in the comparison of the number
of men attending this summer and
last with the number of women who
enrolled. Figures compiled when the
current registration had reached 991
—57 fewer than it is now—show 596
men enrolled, 62.4 per cent more
than the total attendance at the nine-
week session last summer. At the
same time, 395 women, some 20.4
per cent fewer, were enrolled this
summer.

The general emergency accelera-
tion of the training tempo at Kansas
State, which included the addition of
more than 40 courses not ordinarily
offered in summer and the encourag-
ing of men to attend, was responsible
for the attendance of a large number
of the 134 students of a total of 150
in veterinary medicine.

With the announcement that R. O.
T. C. cadet officers would have to at-
tend both the regular and the emer-
gency summer sessions, 85 advanced
infantry and 65 advanced artillery
students enrolled. Their attendance
was required by the War Department.

201 IN ENGINEERING

Many other young men are attend-
ing summer sessions in order to com-
plete as much of their college work
as possible before being called into
some branch of the armed services.
Some of this number already are en-
listed in reserve classes.

The tabulation of the incomplete
total released by Miss Jessie Mc-
Dowell Machir, registrar, follows:

Division of Agriculture, 83 men;
Division of Veterinary Medicine, 133
men, 1 woman; Division of General
Science, 136 men, 180 women; Divi-
sion of Home Economics, 176 women;
Division of Engineering and Archi-
tecture, 201 men; Division of Gradu-
ate Study, 43 men, 38 women.

LEADERS OF AGRICULTURE, INDUSTRY WILL CONFER ON 'URGENT' PROBLEMS

College, Kansas Farm Groups, National
Association of Manufacturers
Will Sponsor Conclave

Agricultural and industrial leaders
from Kansas and surrounding states
will meet at Kansas State College
for a two-day conference on June 17
and 18, Dr. W. E. Grimes, head of
the Department of Agricultural Eco-
nomics of the College, has announced.

The conference is being sponsored
jointly by the College, Kansas farm
organizations, and the National As-
sociation of Manufacturers, Doctor
Grimes said.

Attendance will be limited to an
invited group of farm leaders and
representatives of industry in various
parts of the United States.

"The conference is being held to
give consideration to urgent problems
now confronting agriculture and in-
dustry," Doctor Grimes explained.
"These problems will be discussed in
informal round-table discussions and
it is hoped that leaders in the two
major industries will have a better
mutual understanding of each other's
problems."

Heroism Earns D. S. C.

Charles Dronberger, '26, Man-
hattan, former student at Kansas
State, has been awarded the Dis-
tinguished Service Cross for hero-
ism in the defense of the Philip-
pines, it was learned here recently.

Dronberger, who came here from
Topeka, enrolled in General Sci-
ence in 1935 and in '36, '37 and
'38 continued as a special student,
taking work in zoology, geology,
mineralogy and related subjects.

After the 1938-39 year, he left
the College and later joined the
Army, obtaining a commission as
second lieutenant.

CADET OFFICERS TO SUMMER SCHOOL BY ORDER OF U. S. WAR DEPARTMENT

Advanced Students Must Attend Both
Sessions or Lose Com-
missions

All men enrolled in Advanced Mil-
itary Science at Kansas State College
are under orders from headquarters
of the Seventh Corps Area at Omaha,
Neb., to attend both the regular and
special sessions of summer school.

Failure of a student to attend the
two sessions will mean that he will
be dropped from the military course,
in which event he will become subject
to draft. The order affects 211 men
at Kansas State.

The decision is part of the accel-
erated program adopted by the Army
and most colleges, including K-State.
As it affects students in military
training, it is intended to hasten the
completion of college work and the
conferring of commissions in order
to increase the army's supply of need-
ed officers.

It was stressed that the men would
be required to attend both the regular
summer session and the special four-
week term beginning July 27.

Sponsor Social Mixer

The Independent Student union
was the sponsoring organization for
a social mixer for all students in Rec
center May 27.

COLLEGE ALUMNI BOARD NAMES 1915 GRAD TO VICE PRESIDENCY

CHARLES SHAVER IS SUCCESSOR
TO R. V. CHRISTIAN

Wayne Rogler, '26, Herman Praeger, '08,
Carlton Hall, '20, Elected New
Directors; L. C. Aicher, '10,
to Advisory Council

Three new members of the Board
of Directors of the Alumni Associa-
tion, an Advisory Council member
and a new vice president were chosen
at meetings on the campus during the
recent commencement weekend which
brought 229 alumni back to Kansas
State.

Charles Shaver, '15, Salina, was
elected vice president of the associa-
tion to replace Dr. R. V. Christian,
'11, Wichita. Other officers were re-
elected.

The new board members elected
at a meeting May 23 were Wayne
Rogler, '26, Matfield Green; Herman
Praeger, '08, Clafin; and Carlton
Hall, '20, Coffeyville. They succeed
Henry Rogler, '98, Matfield Green;
Doctor Christian and L. C. Williams,
'12, Manhattan.

TO BUY WAR BONDS

The new Advisory Council member
is L. C. Aicher, '10, Hays.

At its meeting the Board of Direc-
tors authorized the treasurer to turn
over to President F. D. Farrell \$1,000
of the library fund to be used for the
purchase of books for the College li-
brary. It also instructed the treasurer
to purchase \$10,000 worth of war
bonds.

Other officers for the coming year
are Hal W. Luhnnow, '12, Kansas City,
Mo., president; Dr. W. E. Grimes,
'13, Manhattan, treasurer, and Prof.
A. P. Davidson, '14, Manhattan, sec-
retary.

Board members who continue are
Gaylord Munson, '33, Junction City;
R. A. Seaton, '04, Washington, D. C.,
who will return July 1 to the College
faculty; Professor Davidson, Doctor

(Continued on last page)

Will Discuss Far East



NO-YONG PARK

AUTHORITY ON FAR EASTERN AFFAIRS WILL SPEAK TO STUDENTS TUESDAY

Dr. No-Yong Park, Oriental with Occi-
dental Training, to Gen-
eral Assembly

Dr. No-Yong Park, authority on
Far Eastern affairs, will bring to the
Kansas State College campus a com-
pound of Oriental background and
Occidental training next week, when
he lectures at a general College as-
sembly.

Doctor Park will discuss the topic,
"Outlook in the Far East," in the
College auditorium Tuesday at 9 a. m.

After receiving his Eastern edu-
cation in both China and Japan, the
young Chinese acquired his Western
training in Europe and America. He
now holds degrees of master of arts
and doctor of philosophy from Har-
vard university.

For the past ten years Doctor Park
has been lecturer on Far Eastern af-
fairs for leading universities and for
popular audiences in this country.
The historian Charles A. Beard has
said of him that he "combines the
subdued humor of the East with the
realism of the West." Doctor Park
has written a number of articles and
books, including "Making a New
China," "An Oriental View of Ameri-
can Civilization," "Chinaman's
Chance," and "Retreat of the West,"
which the author Pearl S. Buck
recommends as "a required reading
for the white race."

FOUR STUDENTS TO ATTEND FOUNDATION SUMMER CAMP

Roberta Townley, Abilene, Will Com-
pete for National Recognition

Marcile Norby, Cullison, and Ro-
berta Townley, Abilene, junior and
freshman, respectively, in the Divi-
sion of Home Economics, will repre-
sent their division at the Danforth
Foundation camp at Miniwanca,
Mich., this summer.

William James Griffing, Manhat-
tan, freshman in the Division of Vet-
erinary Medicine, was awarded a Dan-
forth fellowship and also will attend
the two-week camp. Roger Murphy,
Norton, will represent the Division of
Agriculture this year.

Miss Norby will attend a two-week
training period in St. Louis begin-
ning July 20 and then will attend
the leadership camp at Miniwanca
near Shelby, Mich., with all expenses
paid by the Foundation.

Miss Townley is competing with
35 other freshmen from other states
for the title of "Outstanding Home
Economics Freshman in America,"
the winner of which will be given a
full scholarship to the camp. Selected
as the outstanding Kansas State Col-
lege home economics freshman, Miss
Townley now has a half scholarship
provided by the Foundation.

On Celebrity Series Board

New members of next year's Ce-
lebrity Series board will be Virginia
Gemmell, Mary Marjorie Willis and
Joe Jagger.

FUTURE OF GRADUATES IN WORLD AT WAR COMMENCEMENT THEME

EDUCATION, TRUTH AND FREEDOM
IN GREAT DEMAND

573 Get Diplomas; Pres. R. B. Ogilby of
Trinity College Is Baccalaureate
Speaker; Seniors and Alumni
Hear Mac Short

The place of the College and the
college graduate in a world blasted
and torn by war provided the main
theme for campus speakers appear-
ing during the alumni reunions and
commencement exercises for 573 out-
bound Kansas' Staters May 23 to 25.

Addressing students, parents, fac-
ulty members and visitors at baccala-
ureate services in Memorial stadi-
um, Dr. Remsen B. Ogilby, president
of Trinity college, Hartford, Conn.,
emphasized truth as "the foundation
of human relations."

Truth, he declared, "is necessary
for freedom, and both truth and free-
dom are in jeopardy today."

HEAR MAC SHORT

Doctor Ogilby reminded the stu-
dents that, with the nation at war,
they would meet and deal with per-
sons whose concepts would be totally
different from those of Americans and
explained that in Japan the loss of
face was considered worse than the
sacrifice of truth.

Graduating seniors and alumni
gathered on the campus the evening
of May 24 for their annual banquet
and an address by Mac Short, '22,
vice president in charge of engineer-
ing, Vega Aircraft company, Bur-
bank, Calif.

Short, one of the nation's outstand-
ing aeronautical engineers, discussed
the part education is playing in the
nation's all-out production efforts
and said the lack of education among
war workers was to blame for much
of the sluggishness to be noted. Edu-
cation, he said, must be put on an
all-out-for-war basis, to provide
skilled workers, administrators and
others badly needed today.

W. T. Markham, member of the
Board of Regents, voiced the wel-
come at the banquet, and the response
was given by Philip Myers, '42. Ken-
ney L. Ford, '24, alumni secretary,
read the alumni roll call.

RATNER ATTENDS

Speaking at commencement in the
Auditorium, Fred M. Harris, Ottawa,
Regents member, told the youths that
the College still would be here and
functioning when they returned—
whether from war or other pursuits,
whether soon or years hence.

Gov. Payne H. Ratner gave his
personal congratulations to the grad-
uating students and advised them
that their most important obligation
would be to take the time to be good
citizens.

President F. D. Farrell awarded
the degrees, which included two hon-
orary ones—a Master of Family Life
to Mrs. Alice Vail Waugh, '92, Am-
herst, Mass., and a Doctor of Science
to Edmund Ray Secrest, '02, director
of the Ohio Agricultural Experiment
station, Wooster—and two doctor of
philosophy degrees—to Albert W.
Grundmann and Edgar Martin, '19.

A. A. U. P. Elects Officers

Prof. R. I. Thackrey, head of the
Department of Industrial Journalism
and Printing, has been elected presi-
dent of the Kansas State College
chapter of the American Association
of University Professors. Professor
Thackrey succeeds Dr. E. C. Miller,
professor of botany. New vice presi-
dent of the A. A. U. P. here is Miss
Ada Rice, professor of English, who
succeeds Miss Helen G. Saum, pro-
fessor of physical education. Dr.
Frank Byrne of the Department of
Geology was re-elected secretary-
treasurer in the recent balloting.

To Hear Pianist

Andor Foldes, pianist, will present
a recital in summer school assembly
June 15, it has been announced.
Foldes, a Hungarian refugee, played
here in 1940, when he appeared in
the annual commencement recital
with Joseph Szigeti, violinist.

'THE COLLEGE IS GRATEFUL'

By F. D. FARRELL

(Statement made at Kansas State College Alumni Dinner, May 23, 1942)

Just now the people of the United States are being urged to give
and invest more money for the support of good causes than ever
before in their history. Taxes are higher than ever before. We are
urged to invest a billion dollars a month in war stamps and bonds.
We are urged to give unprecedented financial support to the Red
Cross, the U. S. O. and other good causes. And all the time, the cost
of living is rising.

Notwithstanding all this, the alumni and other friends of Kan-
sas State College are showing increasing generosity in their gifts
to the College. This is due largely to the efforts of the Alumni Asso-
ciation, and, in the past year, particularly to the leadership of Hal
Luhnnow, President of the Association.

Since this time last year, the gifts have fallen into two classes:
the alumni student-loan fund, and the alumni library fund. (These
gifts are in addition to life memberships in the Alumni Association,
which cost \$50 each and the receipts from the sale of which are
added to the alumni student-loan fund. That fund now amounts
to \$86,000.)

I wish to acknowledge with gratitude gifts to the alumni student-
loan fund from the following since one year ago, as reported by Mr.
Kenney Ford, Alumni Secretary:

- | | |
|---|----------|
| 1. William Volker and Hal Luhnnow, '17, of Kansas City.... | \$1,000. |
| 2. Miss Christine Corlett, '91, of Bell, California..... | 100. |
| 3. The Class of 1916..... | 50. |
| 4. The Topeka Home Economics Society..... | 50. |
| 5. Mary Lyman Otis, '94, of Madison, Wisconsin, as a
memorial to her late husband, Dan H. Otis, '92..... | 500. |
| 6. The Klod and Kernel Klub..... | 100. |
| Total..... | \$1,800. |

Less than a year ago I called the attention of the Directors and
the Advisory Council of the Alumni Association to the desirability
of having an alumni fund for the purchase of books for the College
library. Already a total of \$1,125 has been contributed. The fol-
lowing contributors have been reported by Mr. Ford: William Volker
of Kansas City; Major General James G. Harbord, '86, of New York;
Miss Minnie L. Copeland, '98, of Manomet, Massachusetts; Dr. O. M.
Franklin, '12, of Amarillo, Texas; Mr. W. L. Enfield, '09, of Cleve-
land, Ohio; Dr. C. J. Willard, '08, of Columbus, Ohio; and Mr. J.
H. Young, '14, of Pittsburgh, Pennsylvania.

No doubt this is only a beginning. The practice of giving is a
habit that requires time to develop.

When anybody makes a valuable gift, large or small, to the
College he helps the College in at least two ways: He shows that
he is grateful for what the College did for him, and he shows con-
fidence in what the College is doing and will do. The expression
of either sentiment is an inspiration to the officers, the faculty and
the students of the College.

I wish to assure all who have made gifts to the College during
the past year that the College is profoundly grateful for their gen-
erosity and their inspiring confidence and gratitude.

The KANSAS INDUSTRIALIST

Established April 24, 1875

R. I. THACKREY, Editor
CHARLES M. PLATT, JAMES ROCKWELL, PAUL L. DITTEMORE, ALBERT HOKINGS, Associate Editors
KENNEY FORD, Alumni Editor

Published weekly during the college year by the Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.

Except for contributions from officers of the College and members of the faculty, the articles in THE KANSAS INDUSTRIALIST are written by students in the Department of Industrial Journalism and Printing, which does the mechanical work.

The price of THE KANSAS INDUSTRIALIST is \$3 a year, payable in advance.

Entered at the postoffice, Manhattan, Kansas, as second-class matter October 27, 1918. Act of July 16, 1894.

Make checks and drafts payable to the K. S. C. Alumni association, Manhattan. Subscriptions for all alumni and former students, \$3 a year; life subscriptions, \$50 cash or in instalments. Membership in alumni association included.



WEDNESDAY, JUNE 3, 1942

A LESSON FROM HISTORY

It is characteristic of the transition from a peacetime to a wartime footing in a democracy that a certain degree of inefficiency, uncertainty, of disagreement on policy, will prevail. This is particularly true in a democracy which as a consistent policy has maintained only a small military and naval establishment in peacetime.

Unless the contemporary observer is fortified by some knowledge of history, he may magnify these characteristic manifestations of the transition period, and think of them as unprecedentedly great and as signs of decadence. This tendency may even have a harmful effect on national morale.

For this reason, an excursion into the experience of our democracy in past wars may prove illuminating to the sincere citizen who wonders whether or not we have progressed.

Such an excursion is provided by Margaret Leech in her Pulitzer prize-winning study, *Reveille in Washington*, which deals with the nation's capital during the four years of the Civil War. The nation entered this gravest and bloodiest war in its history with a President elected by a minority of the voters. Enroute to his inauguration the President made a secret change of plans in order to avoid one of the principal cities of the country, Baltimore, because of the great anti-Union spirit there. Even the citizens of the nation's capital were to a great extent more sympathetic with disunion rather than union, in the early years of the war.

The head of the army, Winfield Scott, was older than the national capital, had been a hero in the war of 1812, nearly 40 years earlier, as well as in the Mexican War of 1812. Many of the ablest officers, including the prospective commander of the armies, deserted the Union in its hour of trial. Treason and near treason was widespread.

The army itself consisted of 10,000 or so troops, most of them off fighting Indians. To defend the nation the President had to depend at first on three-month levies of raw militia companies, some of whom walked off the field of great battles because their term of service expired during the course of the engagement. The medical services of the army were so inadequate that the most efficient work of handling supplies for the wounded was done by a volunteer group.

In the fourth year of the war there was serious danger that Abraham Lincoln would not be renominated by his own party and that, having been renominated, he would be defeated for election by one of his own generals, named on an "end the war" and "appeasement" platform.

These are familiar facts to historians, but time has tended to obscure them so far as the average citizen is concerned. One needs only to draw a comparison between the conditions of 1861-65 and the present to know that democracy has profited by its lessons, the lessons of 1898 and 1918 as well as those of the Civil War. One lays down Miss Leech's study with heightened confidence in our ability to surmount present problems, with the feeling that "If democracy survived these things and these conditions, certainly it can survive the trials of today."

BOOKS

FFA Publicity Simplified

Reporting FFA News, by Charles E. Rogers. 248 pp. Illus. Collegiate Press, Ames, Iowa. \$2.00.

News stories about the activities of FFA chapters always are "good copy" in any newspaper office. The chief criticism of FFA news stories, from the newspaper editor's point of view, is that there have not been enough of them. Another criticism many editors find is that many of the stories are not written in a style acceptable for publication.

Charles E. Rogers, formerly head of the Department of Industrial Journalism at Kansas State College and now head of the Department of Technical Journalism at Iowa State College, has written a book that will go a long way toward eliminating both of the above-mentioned criticisms. The book, "Reporting FFA News," records the suggestions "newspapermen, vocational education leaders and others" have to offer, plus Mr. Rogers' discussions on agricultural journalism and the techniques employed. The book starts logically with a chapter on "How to Find News," and the final chapter is given over to a discussion of FFA news on the radio.

The author has done a commendable job with the book. His audience is composed principally of reporters appointed in each of the FFA chapters, the majority of whom believe that "writing a piece for the papers is a tough job." The book reduces the "tough job" to a simple task, once the reporter has read the book and knows how news stories are written and knows what the editor likes in a good "front page" story.

Other organizations in addition to FFA chapters that have a story to tell could put "Reporting FFA News" to good use in their work. While the subject matter is different, the technique of writing news stories, or the chapter on "What is News" will supply the organization's reporter with much good information. Everyone concerned with the stories will be benefited if the suggestions contained in the book are followed.

—Paul L. Dittmore.

A NEW AMERICAN PHILOSOPHY

Many things will happen in this present year and in the years to come. But if we Americans run true to form, we will bend our minds to this fresh challenge to our democratic faith. We will set ourselves to achieve a new philosophy: a philosophy of economic dignity.—Dr. Harry A. Overstreet, on America's Town Meeting of the Air.

IN OLDER DAYS

From the Files of The Industrialist

TEN YEARS AGO

Gertrude (Hole) Campbell, '06, wife of Dr. Delwin M. Campbell, was a Republican candidate for representative from the fifth senatorial district, Chicago, Ill.

Degrees of bachelor of science and doctor of veterinary medicine were conferred upon 392 Kansas State College seniors at the sixty-ninth annual commencement exercises. In addition there were conferred 51 master of science degrees, one honorary doctor's degree, and 11 professional degrees in engineering.

Emmet L. Hill, '29, was the designer of the Reinisch Memorial Rose garden for which Topeka was awarded first prize of \$1,000 in the "More Beautiful America" contest, as making the most outstanding contribution along this line. Hill, a resident of Tavares, Fla., graduated in landscape architecture and designed the Reinisch garden the year following his graduation.

TWENTY YEARS AGO

Arthur L. Kahl, '11, won the interstate golf championship for Idaho, Oregon, Washington, Montana, California and Utah.

J. S. Houser, '04, associate entomologist at the Ohio agricultural experiment station, had an article in the June issue of Capper's Farmer on "The Airplane in Insect Control."

Rosalie Godfrey, '18, who had been working in the experimental kitchen of the United States Department of Agriculture for two years, was placed in charge of the restaurant at the Grace Dodge hotel, Washington, D. C. Miss Godfrey also had charge of the tea house and tea garden in connection with the hotel.

THIRTY YEARS AGO

Miss Margaret Justin, '09, who had been teaching domestic science in the

Bennett Home at Clarkson, Miss., came home to spend the summer with her parents.

Edwin H. Snyder, '88, was editor of Denver Municipal Facts, an illustrated weekly paper.

FORTY YEARS AGO

President and Mrs. E. R. Nichols entertained the members of the senior class at their home.

George W. Finley, '96, was elected to the chair of mathematics in the new school at Tonkawa, O. T.

Miss Harriet Howell, superintendent of domestic art, resigned her position to accept the same chair in the Throop Polytechnic institute, at Pasadena, Calif.

FIFTY YEARS AGO

J. H. Calvin, '84, was a candidate for judge of the Shawnee County District Court. Mr. Calvin was practicing law in Topeka.

D. G. Fairfield, '88, planned to spend the summer in experimental work at Geneva, N. Y. He was with the Division of Vegetable Pathology, Department of Agriculture, Washington, D. C.

SIXTY YEARS AGO

Professor Failyer lectured in chapel on the life and works of Arago.

E. L. Pound, a member of the advanced class in printing, accepted a position in the job department of the Capital office for the vacation.

SCIENCE TODAY

By H. H. KING

Professor and Head, Department of Chemistry

Through the simple application of fundamental principles of physical and organic chemistry, new processes undreamed of ten years ago are being developed with increasing frequency, processes giving rise to new industries, many of which may be based on Kansas' vast petroleum and natural gas resources.

The week of May 9 saw Kansas ranking sixth in oil production, with an average daily record of 242,950 barrels, and seventh as a natural gasoline producer, with 349,300 gallons being produced each day. The state has great quantities of natural gas, the Hugoton field alone estimated at 13 1/2 trillion cubic feet.

To date, little has been done to utilize these Kansas products for anything but gasoline, kerosene, lubricating oils and the like, although they can provide raw materials for many other diverse industries. The future should see the oil and gas industries stress these natural products as the sources of new and utterly different compounds. It might be interesting to examine some of the possibilities along this line.

From recently developed processes already are coming such products as synthetic rubber, alcohol, medicines, preservatives, formaldehyde, methyl alcohol, chloroform, lacquers, synthetic vegetable and animal oils, explosives, paints and varnishes, essential oils and many other commodities. Unquestionably petroleum and gas will serve as increasing sources of products now obtained by entirely different methods.

One of the most important compounds to be obtained from petroleum is butadiene, the highly reactive molecules of which will combine with each other in a process called polymerization. It is customary to polymerize them with another compound made from petroleum called styrene in the production of a rubber substitute known to the trade as Buna S, one of the most interesting types of synthetic rubber. If the co-polymer is acrylonitrile, still another type of Buna rubber is formed. Polymerization of butadiene with butane—also formed from petroleum—results in butyl rubber.

A heated controversy is currently running between proponents of petroleum as a source of butadiene and those advocating the production of the compound from alcohol obtained through the fermentation of cereal grains. Sufficient definite information as to the costs of these two methods is not available, and it therefore cannot be said which will prove the more economical and feasible. Both should be tried, and the better ultimately should be determined and adopted. There is no doubt that either can be used.

It has been pointed out that our petroleum resources eventually will become exhausted, while plants will continue to grow and produce grains. It might be wise, say those who like the cereal grains method, to utilize petroleum for more strategic uses. At any rate, the rubber user may rest assured that ample supplies of synthetic rubber can be produced from either petroleum or grain alcohol. Whether or not the diversion of strategic materials to production of great quantities of synthetic rubber is advisable at this time—that is another matter.

Another important industrial compound made from petroleum is ethyl alcohol. Considerable quantities of this alcohol already are on the market, and further supplies can be pro-

duced rather easily. Simply enough, ethylene—a gas produced in normal cracking processes—needs to have a molecule of water added to each of its molecules to become ethyl alcohol, which—incidentally—is the same alcohol produced in the fermentation of grains. Adherents of the petroleum method claim the alcohol can be produced more cheaply from oil than by the fermentation process. The alcohol produced by one method is as acceptable as that by the other.

Methyl alcohol—often called "wood alcohol"—is produced easily from natural gas by a process of oxidation. Natural gas and air under a pressure of about 200 atmospheres are brought into contact with a catalytic agent, under which conditions both methyl alcohol and formaldehyde may be formed, for later separation by fractional distillation. Both products are of great value industrially, particularly for war purposes.

Such products as chloroform and carbon tetrachloride are formed by the chlorination of natural gas. Carbon black, useful in the rubber tire industry because it adds strength and resiliency to rubber, is produced in the incomplete combustion of natural gas. Many plants making carbon black are in operation near gas wells, at least two of them in Kansas. This is a wasteful process, since only a few pounds of carbon black are formed from the use of 1,000 cubic feet of gas. Large quantities of this substance are used in making printer's ink, paints, phonograph records, and shoe and stove polish.

From petroleum come other such important products as benzene, toluene and other so-called aromatic hydrocarbons. Both benzene and toluene have many uses. The former can be converted into phenol, or carbolic acid, and then turned into the explosive picric acid. Phenol also is utilized in making the well-known and most widely used of all plastics, bakelite, in the production of which phenol is caused to combine with formaldehyde. Toluene is the source product for T. N. T.—trinitrotoluene—one of our most important explosives, produced through the use of nitric and sulfuric acids.

Many kinds of chemical reaction can be brought about on the hydrocarbons present in petroleum. Among these might be mentioned dehydrogenation, isomerization and alkylation.

It is a dehydrogenation process by means of which butadiene is produced from butane. Such dehydrogenated products are far more reactive chemically than the parent molecules and may serve as the starters of many different kinds of reactions.

Isomerization is a rearrangement of the structure of the molecule without adding to or removing anything from it, the result being a change in the properties of the substance. This is advantageous, for example, in producing higher octane gasoline stock from lower.

Alkylation is a process of synthesis by which an unreactive paraffin is combined with a reactive one. Isobutylene and isobutane, each having five carbon atoms, combine in an alkylation process to make a 10-carbon molecule which is very valuable in making 100-octane aviation gasoline.

These are but examples of the hundreds of chemical products which can be made from petroleum and natural gas, which Kansas possesses in such great abundance. Small wonder that so many believe we are on the threshold of a big petroleum chemical industry.

KANSAS POETRY

Robert Conover, Editor

CRITIC

By Lois Thompson Paulsen

Plain-spoken she had been since birth
And valued this a mark of worth.

Never silence, introspection,
Nor the slightest indirection,

Even mercy could not stay
Or turn back what she had to say.

The truth unrolled upon her tongue
And always, in her telling, stung.

Some eighty years now saw her dead,
But not with anything unsaid.

Lois Thompson Paulsen of Concordia is the wife of an attorney of that city. She has written verse since her undergraduate days in the University of Kansas.

SUNFLOWERS

By H. W. Davis

RATIONING MORALE

Our leaders at Washington, bless their paternalistic hearts, are growing too heavily concerned about our state of opti- or pess-i-mism. They should not do that. There is work to do.

Events and the news about events, as manhandled by commentators and analysts, take all the care of public morale that morale can stand. A fellow with the toothache, you know, is going to be pessimistic until the offending molar is treated or out. And a golf addict who has just shot a near-par round is always unendurably cheery about it until the next time he drags himself in from the eighteenth hole.

No, our beloved leadership need not worry long about over-optimism. The Nazi U-boat campaign, the disappearance of Burma, sporadic bog-downs of the Soviet offensive, rubber and tin and steel and tax-money shortages, the sluggishness of the Allied offensive in Australia and thereabouts will take care of it—and then some.

Three weeks or so ago, you may recall, optimism began to rear its dizzy, banjo-eyed head in these jittery United States of America. If I am not badly mistaken, the rearing was coincident with a lot of hopeful gush in the District of Columbia about how wonderfully well war production was getting along. It was aided and abetted by certain persons catching sight of the ridge of this awful war, and by communiques from Moscow ballyhooing Soviet offensives in the environs of Kharkov. In addition, certain gentlemen high in our own government expressed their secret satisfaction with the way things were going.

That is what I mean by leadership getting too much concerned with the morale of followship, peculiarly sensitive to suggestion because it is so dumb. Of course we also grew a trifle cheery and began to talk about a big turn in the war coming in August, September, or October. Some of us even began to hope our jitneys would last until tires could be bought again—legally.

And look what happened. Ten days ago (or ten days after optimism ran amuck in Washington) Events caught up with our leaders and they had to reverse themselves and lecture us for being foolish enough to catch their optimism and carry on with it. They scolded us for following their lead and reminded us of the long hard war we must fight, a war sure to be filled with dismay and disappointments.

Hereafter I am not going to be optimistic or pessimistic on order. If they bomb the roof off Tokyo again, I shall be jubilant; and if the daily sinkings on the Atlantic rise to 4 or 5 and the Germans grab the offensive around Kharkov, I shall be a bit blue.

I hope Washington cooperates with me by increasing the number of favorable Events and cutting down on the scoldings.

GOOD FOOD "IN STYLE"

We need a reserve of finished foods like canned pork and evaporated milk and canned vegetables and dried eggs. These are things that will keep. They won't ever go obsolete. Good food is always going to be in style.—Claude R. Wickard, Secretary of Agriculture.

AMONG THE ALUMNI

Lucy Ellis, B. S. '95, has retired from her teaching in the Clay school at Topeka. She lives at 705 Lane Street, Topeka.

Clara (Newell) Brandt, B. S. '96, writes that she lives at 834 North St. Joseph Avenue, Hastings, Neb.

Dr. John B. S. Norton, B. S. '96, M. S. '99, professor of plant pathology at the University of Maryland, a member of that faculty since 1901, plant pathologist and botanist at the Experiment Station there, retired from active duty April 1. He has been appointed professor emeritus and will continue his work in plant breeding and taxonomy and on the botanical herbarium of the university.

Cora (Atwell) Bray, B. S. '97, is librarian in the public library at Bowie, Ariz.

Fanny G. Noyes, B. S. '99, writes that she does private nursing as the opportunity offers, housekeeping and knitting for war relief. Her address is 10 South Prospect, Oberlin, Ohio.

F. W. Christensen, B. S. '00, is professor of animal nutrition for the North Dakota Agricultural college and experiment station. He and Alma (Johnson) Christensen live at 1354 12th Street North, Fargo, N. D.

Emma (Smith) Burt, D. S. '03, and Sherman B. Burt live at Route 2, Box 2235, Del Paso Heights, Calif. Mrs. Burt writes that Del Paso Heights is a suburb of Sacramento.

Rhoda (McCartney) Born, D. S. '05, sends in the address for herself and her husband, O. C. Born, at 144 South Edgemont, Los Angeles.

Laurenz Greene, B. S. '06, is head of the department of horticulture, Purdue university, and chief of the agricultural experiment station. He lives at 1009 Ravina Road, LaFayette, Ind.

Lyman B. Streeter, Ag. '07, does general farming and milling at Milford, Kan. He and Rissa Miner Streeter visit in Manhattan occasionally.

J. Seneca Jones, B. S. '08, is executive secretary of the Minnesota Farm bureau, also secretary of the Minnesota Livestock Breeders association. He and Rose (Tschumperlin) Jones live at 2276 Carter, St. Paul.

Ada Kennedy, D. S. '09, is assistant professor of the life science department, Pasadena junior college. Her address in Pasadena is 2397 Vista Laguna Terrace.

Paul V. Kelly, B. S. '10, owner of the Kelly-Western Seed company of Salt Lake City, Utah, was made president of the Rotary club there May 5. Mr. Kelly and Cleo (Lucas) Kelly live at 1554 Yale Avenue in Salt Lake City.

David G. Roth, E. E. '11, is a member of the city council at Moundridge where he owns the Ford agency. He and Ena Mae (Durst) Roth live at Moundridge. They have a daughter, Bette Roth, G. S. '41, who teaches at Deerfield, Kan.

Eva (Linn) McKinstry, H. E. '12, writes, "We still farm the land my husband (Gilbert McKinstry) homesteaded in '10. We have a grain farm. Mixed farming begins less than 50 miles north of here in park lands." Their address is at Oyen, Alberta, Canada.

Earl H. Martin, Ag. '12, M. S. '31, is instructor in agriculture and shop at Pueblo junior college. He is also supervisor of the grounds for the college.

Fred H. Loomis, B. S. '13, sends in the news that he is still working with grain testing as owner of the Loomis laboratories, Grand Forks, N. D. He and Claudine (Rathman) Loomis, f. s. '16, live at 405 South 6th Street, Grand Forks.

Ralph H. Musser, D. H. '14, is director of the Soil Conservation service in the upper Mississippi region with headquarters at Milwaukee, Wis. He and Ruby (Howard) Musser, f. s. '12, live at 926 E. Lexington, Milwaukee.

James M. McArthur, Ag. '15, and Mrs. McArthur have seven children, two of whom are attending Louisiana State university. Mr. McArthur is supervisor of nature study in the New Orleans public schools, New Orleans, La. The McArthurs live at 4723 Baronne Street, New Orleans.

Mary Polson Charlton, H. E. '16,

writes, "Nothing new about me—still teaching art in school of home economics at University of Tennessee. I will teach the same thing at the University of Colorado the last half of the summer."

Nelle (Cordts) Geyer, H. E. '18, of 1126 Gardena Blvd., Gardena, Calif., writes, "Lee Geyer, my husband, was a member of the U. S. Congress and died in Washington, October 11, 1941. He was a teacher of social science in high school in Los Angeles and a former member of the California State Assembly." Their two sons are Robert Lee, 18, and John J., 15.

Lora G. Mendenhall, H. E. '19, M. S. '30, is teacher of home economics at the Cheyenne and Arapaho Indian school, Concho, Okla. She teaches the classes and supervises the kitchen, dining room, bakery, laundry, and sewing room at the boarding school.

Alma Wilkin, H. E. '20, teaches home economics at the College of William and Mary, Williamsburg, Va. Her special field is in Foods and Nutrition.

Russell V. Knapp, M. E. '21, Prof. Deg. '36, is branch manager of the Bailey Meter company, Cleveland, Ohio. He and Jeannette (Pardee) Knapp, f. s. '21, live at 523 E. Day Ave., Milwaukee, Wis.

Dr. H. Leigh Baker, '22, present dean of the Drake university college of education, has been commissioned a captain in the Army air force and ordered to report for active duty. He will leave May 27 for the officers' training school at Miami Beach, Fla., for temporary duty and then go to the Gulf Coast air force training center at Randolph Field, Texas.

John C. Riddell, C. E. '24, is now with the U. S. Engineer's office in Caspar, Wyo.

John P. Willman, M. S. '25, is associate professor of animal husbandry in charge of sheep and swine research and teaching work at the New York State College of Agriculture at Ithaca, N. Y.

Merville Larson, G. S. '27, received his Doctor of Philosophy degree from the school of speech at Northwestern university this spring. His present address is 4717 North Whipple St., Chicago.

Clyde T. Rea, R. C. '28, is living at Green Tree Manor, Apt. H-2, Louisville, Ky. He is an investigator for the U. S. Treasury department in Louisville.

Quentin Brewer, I. J. '31, is still in the advertising business and is living at Quivera Lake, Kansas City, Kan.

Ethel (Eberhart) Hemker, Arch. '33, sends word to the War Register that her husband Willard S. Hemker, E. E. '32, is with the 19th Coast Artillery at Ft. Rosencrans, Calif. He entered the service May 18, 1941, as a first lieutenant and was promoted to captain, April 3, 1942. The Hemkers' address is 4857 Santa Cruz Ave., San Diego.

John Ranson Stone, Jr., E. E. '33, is an assistant radio engineer with the Civil Aeronautics administration at Kansas City, Mo. He is living at 1030 South Broadway, Leavenworth, Kan.

Nathan B. Salant, Ag. '36, sends word that he is an agricultural economist in the cotton branch of the Agricultural Marketing administration of the U. S. Department of Agriculture. He is living in Washington, D. C., at 1822 41st Place, S. E.

Frances Singleton, G. S. '37, is living in Denver at 906 Grant St. She writes, "I am working at the Denver Ordnance Plant, managed by Remington Arms company. I am a fore-lady in the inspection department."

Eleanor Ruth Jenkins, H. E. '38, is a dietitian at the School for the Deaf, in Jacksonville, Ill.

Wayne E. Olson, E. E. '39, is with the seismograph crew for the Phillips Petroleum company at Eunice, La.

Anna Scholz, H. E. '40, is home demonstration agent of Bourbon county, Kan. She called at the office this week to say that she enjoys reading THE INDUSTRIALIST. Her present address is Fort Scott, Kan.

Cpl. John H. Bowers, Jr., B. A. '41, is working in the unit personnel office of the 17th Infantry at Camp San Luis Obispo, Calif. His official army address is Hq. & Hq. Det., 3rd Bn., 17th Inf. A. P. O. No. 7, Camp San Luis Obispo, Calif.

LOOKING AROUND

KENNEY L. FORD

At a recent meeting, members of the Advisory Council of the Kansas State College Alumni Association voiced the opinion that Kansas State graduates do not take sufficient interest in good government.

It is a curious situation that while Kansas State is a creature of the federal and state governments, many of her sons and daughters shy away from elective positions in government.

The founders of our College wisely provided for compulsory military training. They did not provide for compulsory civic training.

To Convention in Boston

Two staff members and a student will represent Kansas State College at the American Home Economics convention in Boston June 22 to 24. They are Dr. Margaret M. Justin, dean of the Division of Home Economics; Miss Margaret Raffington, assistant to the dean; and Ema Lou Thomas, student. Miss Raffington is chairman of the Department of Student Clubs and is in charge of the student program at the convention. Miss Thomas, who is a junior from Hartford, is the delegate from the College Home Economics club.

Randall C. Hill, professor of economics and sociology, gave the high school commencement address at Wakefield recently.

ALUMNI REGISTER DURING COMMENCEMENT

Many alumni came back to celebrate class reunions and attend Commencement activities. The following registered:

- 1877—George H. Failyer, and Ella (Child) Carroll, Manhattan.
- 1883—Dr. J. T. Willard, Manhattan.
- 1885—Albert Deitz, Kansas City, Mo.
- 1887—F. A. Marlatt, Walter J. Burtis, Fred G. Kimball, Manhattan; John B. Brown, Phoenix, Ariz.
- 1888—Charles E. Friend, Lawrence, Kan.
- 1890—Bertha Kimball Dickens, Manhattan.
- 1892—W. H. Edelblute, Rathdrum, Idaho; Robert A. McVaine, Spokane, Wash.; L. S. Harner, Leadville, Colo.; May Secret, Berkeley, Calif.; Ora (Wells) Traxler, Emporia, Kan.; Fred C. Sears, Alice (Vail) Waugh, Amherst, Mass.; John Frost, Abilene, Kan.
- 1893—William E. Smith, Wamego; C. A. Kimball, Manhattan.
- 1895—W. H. Phipps, Kansas City, Mo.; Ada Rice, George A. Dean, R. J. Barnett, Manhattan; Theo W. Morse, Mound City.
- 1897—Alfred C. Smith, Los Angeles; Anna (Engel) Blackman, Hartford (Vanderbilt); Renick, Ina E. Holroyd, Bret R. Hull, C. W. Shull, Manhattan; J. E. Tremblay, Council Grove; W. O. Peterson, Marshalltown, Iowa.
- 1898—Alice M. Melton, Manhattan; Henry Rogier, Matfield Green, Kan.
- 1899—J. C. Bolton, Manhattan.
- 1900—Minerva (Blachly) Dean, Manhattan; L. W. Waldraven, Randolph.
- 1901—Ina F. Cowles, Bryant Poole, Manhattan.
- 1902—Mame (Alexander) Boyd, Phillipsburg; Edmund Secrest, Wooster, Ohio; Bessie (Bourne) Cool, Glasco; John F. Ross, Amarillo, Texas; Eva Rigg, Kirwin; George F. Bean, Alma; L. A. Fitz, Wilmette, Ill.; Grover Poole, Manhattan; Otto M. McAninch, Stockdale; Della (Drollinger) Glunt, Garrison; E. M. Amos, Manhattan.
- 1903—Dovie (Ulrich) Boys, Linwood, Kan.
- 1906—C. W. McCampbell, Manhattan.
- 1907—Lois Failyer, New York City; Alfred A. Baird, Minneapolis, Kan.; Miner M. Justin, West Lafayette, Ind.; Edward A. Morgan, Topeka; Clarence G. Nevins, Dodge City; L. B. Streeter, Milford; L. M. Jorgenson, Mary Kimball, Manhattan.
- 1908—Charles J. Willard, Columbus, Ohio; Edna (Biddison) Lumb, Manhattan.
- 1909—C. G. Boyle, Spivey; Annie (Harrison) Jorgenson, Jessie (Apitz) McCampbell, Manhattan.
- 1910—William M. Orr, Albuquerque, N. M.; L. C. Aicher, Hays; Gladys (Nichols) Dearborn, Ed. H. Dearborn, Manhattan.
- 1911—Harvey Roots, Pearl (Smith) Roots, Manhattan; W. G. (Bunt) Speer, Manhattan; Ellen Nelson, Randolph.
- 1912—A. J. Mack, Walter G. Ward, Marcia (Story) Throckmorton, Nellie Aberle, Juanita Hoke, Jane (Wilson) Barnes, Kenneth Phillips, Floyd Pattison, Lucy (Emslie) Miller, Manhattan; Eula (McDonald) Orr, Albuquerque, N. M.; Lucy (Platt) Stants, Beverly P. Platt, Edith (Payne) McMillen, Wichita; Mary G. Kernham, Nashville, Kan.; R. W. Getty, Downs; David Charles Clarke, Plainville; Ethel L. Bales, Riley; Vergie (Sherwood) Hodgson, Harveyville; John H. Anderson, Kansas City, Mo.; Oscar W. Norby, Pratt; Willis Kelly, Hutchinson; Etta (Sherwood) Earl, Lyons.
- 1913—Arthur H. Montford, Hutchinson; W. E. Grimes, Ramona (Norton) Phillips, Manhattan.
- 1914—F. A. Smutz, A. P. Davidson, Mary (Nixon) Linn, A. L. Clapp, Manhattan.
- 1915—James W. Linn, Manhattan.
- 1916—Orville Burtis, Henry B. Bayer, Wilma (Burtis) Bayer, Manhattan.
- 1917—W. F. Pickett, Alva (Cooper) Pickett, Stella M. Harriss, C. A. Grand-

Seek Women Engineers

Prof. Linn Helander, head of the Department of Mechanical Engineering at Kansas State College, has received a number of letters from firms asking for the names of women qualified to perform technical tasks formerly done by men. Because of the large demand for men in the armed forces, many establishments who have never employed women before are finding it necessary to open positions to women.

One paint company asked for the names of young women who were qualified to perform analytical and microscopic work. A gasoline testing laboratory is interested in women chemists and mechanical engineers who are receiving their B. S. degrees this spring. And so it goes.

Contrary to past beliefs, the field of engineering opens many opportunities to women who are interested in such work.

Name Dance Manager

John Koger, senior in business administration, has been named varsity dance manager for next year, Ed Hellmer, president of the Student Governing association, has announced.

Will Offer 40 Courses

Dean E. L. Holton of the summer school sessions has announced that more than 40 courses will be offered during the emergency session of four weeks beginning July 27.

RECENT HAPPENINGS ON THE HILL

The summer school Collegian has gone to tabloid size. It is edited by Betty Lou Hancock.

Summer school students are trying out for parts in "Three-Cornered Moon," which will be presented by the Manhattan Theatre soon. Norman Webster is director.

Thirty-four varsity and 32 freshman athletes have received "K" awards and first-year numeral sweaters for participation in Kansas State's 1942 spring sports competition.

Duane M. Patterson, who was graduated this spring in mechanical engineering, was one of 450 young men selected by Westinghouse Electric and Manufacturing company to be trained for participation in the company's war production program.

Members of Theta Sigma Phi, honorary journalism fraternity for women, are continuing their campaign to collect magazines for delivery to soldiers at Ft. Riley hospitals. The organization also is collecting jig saw puzzles and games for the men.

MARRIAGES

McCOMB—HOGAN

Ann McComb, G. S. '39, and J. Gwendle Hogan were married April 18 and live at 821 South Water, Wichita, Kan. Mr. Hogan, a graduate of Warrensburg Teachers college, works for the Beech Aircraft corporation in Wichita.

BIRTHS

Maurice I. Wyckoff, Ag. '35, and Thelma (Fleury) Wyckoff, H. E. '36, have a daughter, Marcia Juanita, born May 13. They are at Altamont, Kan., where Mr. Wyckoff is county agent.

Hugh K. Richwine, Ag. '29, and Naomi (Cook) Richwine, I. J. '31, announce the arrival of Mark Hugh on May 14. The Richwines live at 1305 Humboldt, Denver, Colo., where Mr. Richwine is agricultural economist in the Soil Conservation service.

Harold Wierenga, G. S. '35, M. S. '38, and Vivian (Snapp) Wierenga are parents of a son, John Ralph, born April 7. Mr. Wierenga is mathematics instructor at Drexel Institute of Technology, Philadelphia, Pa. They live at 3605 Baring St. in Philadelphia.

DEATHS

WORTHINGTON

W. R. Worthington, Princeton, W. Va., died April 19 of a heart attack. He had been in the insurance business for 12 years in Princeton. Survivors are his widow, a son and three daughters.

YOUNG

Word has just been received of the death of Wayne W. Young, Com. '36, August 19, 1939, of heart trouble. Prior to his death he was assistant manager of Goodrich Silver Town Stores and lived at Carthage, Mo. His widow, Lillian (Auston) Young, survives him.

McNAMARA

C. Homer McNamara, Ag. '14, died May 15 of a heart attack. Mr. McNamara, superintendent of the Delta Experiment Station, Stoneville, Miss., had recently attended an air raid warden school in Jackson, Miss., and was attending to business in Starkville, Miss., at the time of his death.

He had been superintendent of the Lama Experiment Station, Philippine Islands, and the Lacarlot Experiment Station there in 1916. After his return to the United States in 1917, he became associated with the United States Geological Survey in land classification work. In 1920, he was appointed superintendent of the Cotton Breeding Field Station Bureau of Plant Industry at Greenville, Texas, where he was located for 17 years. In July, 1937, he was appointed senior agronomist and superintendent of the Delta Experiment Station. He is survived by his widow, Marjorie (Dillworth) McNamara, one daughter, one son, two brothers, and two sisters.

ATHLETICS COUNCIL RECOMMENDS COCHRANE AS BASKETBALL COACH

'CHILI' WILL SERVE IN ABSENCE
OF JACK GARDNER

Was Freshman Mentor during Past Season; Ahearn Announces Haylett Will Assist with Football Team Next Fall

The Athletics Council has voted to recommend to the state Board of Regents the temporary appointment of O. L. "Chili" Cochrane, freshman basketball coach, as head basketball coach. He will serve in the absence of Jack Gardner, who now is on leave as a lieutenant in the United States Navy's physical education and training organization.

Cochrane was freshman basketball coach during the past season and assistant varsity coach during the previous year. He coached frosh cage crews two earlier seasons.

GREAT PUNTER

Announcing the action of the council, Athletics Director M. F. "Mike" Ahearn said, "I feel very well pleased with the selection of the council. I believe Cochrane has the necessary qualifications to carry on the work originated by Jack Gardner in a highly efficient manner. He has had two years as assistant coach and head freshman coach under Gardner and also previous experience as freshman coach."

Well remembered as one of the greatest punters ever to perform for Wildcat football teams, Cochrane played quarterback on Coach Charley Bachman's Kansas State eleven in 1924, 1925, and 1926 and was all-Missouri Valley conference quarter in 1926. He previously lettered in both football and basketball at Manhattan high school.

WILL SCOUT FOOTBALL

Cochrane was assistant football coach under Art Stark at Chadron State Normal college at Chadron, Neb., in 1927, before returning to his alma mater the following year as an assistant football coach and chief scout. He has assisted and scouted for four K-State mentors—A. N. "Bo" McMillin, Lynn Waldorf, Wesley Fry and Hobbs Adams, present football coach. In 1940 Adams chose him as his chief assistant in football. While at Kansas State, Cochrane has gained the reputation of being one of the best basketball and baseball officials in the state.

The new basketball coach will continue to scout football games and assist with coaching the Wildcat eleven till time to start work on his cagemen. Cochrane has the title of assistant professor of physical education.

Ahearn also announced that Ward Haylett, head track coach, would assist in the coaching of the football team next fall. No plans for the immediate employment of a wrestling coach have been made, he said. B. R. "Pat" Patterson, mat mentor at K-State, recently obtained leave of absence to enter the U. S. Army with a commission as second lieutenant.

URGES FARMERS TO SAVE ON TRACTOR FUEL COSTS

Prof. J. W. Martin Recommends Kerosene and Distillate for Economy

Prof. J. W. Martin of the Department of Agricultural Engineering at Kansas State declares that to reduce tractor power costs farmers must make a saving on the fuel. This fuel cost is approximately one-third of the total cost of operating a tractor.

Records show that almost nine out of every ten tractors in Kansas are of a low-compression type, designed to burn the less expensive low-grade fuels such as kerosene and distillate. However, the higher priced gasoline makes up about three-fourths of the fuel consumed annually by these tractors.

The fuel economy and performance would be greatly improved if distillates or fuels of the fuel-oil class were burned in these low-compression tractors.

More Than 480 Trained

The Defense Training Program at Kansas State has fitted more than 480 men and women for war industry work in the past 15 months, according to Prof. W. W. Carlson, supervisor.

Betton to Estes

Matt Betton, College dance maestro, and his band will leave this week for Estes Park, Colo., where they will play a summer's engagement.

New Basketball Coach



OWEN "CHILI" COCHRANE

84 KANSAS STATE COLLEGE CADETS GET COMMISSIONS IN ARMY RESERVE

Col. John C. Macdonald, Secretary of Ft. Riley Cavalry School, Addresses New Officers

Eighty-four cadets in the Department of Military Science and Tactics were commissioned second lieutenants in the reserve corps of the United States Army in a graduation ceremony in Recreation Center May 23.

Col. John C. Macdonald, secretary of the Cavalry School at Ft. Riley, spoke to the ROTC graduates, all of whom were subject to call to active service after receiving their commissions.

"You young men must visualize that you are passing today one of the momentous milestones in your lives. You are moving from the hallways of peace to fields of bloody action and total war," Colonel Macdonald told the newly-commissioned officers.

Courage, he said, is a virtue needed by all men more than ever before in the history of our country. Courage—mental, physical and moral—he said, is the "very staff of life."

"It takes the highest type of courage to prepare for the sordid business of war and yet maintain within oneself a code of procedure that will preserve one's ability to function acceptably in times of peace," the speaker said.

Col. J. K. Campbell, head of the Department of Military Science and Tactics, presided over the graduation ceremony and presented the commissions. Maj. H. E. Stover, adjutant, Ft. Riley, administered the oaths to the cadets.

1,300 4-H CLUB MEMBERS ON CAMPUS FOR ROUND-UP

Youths Will Hear Governor Payne Ratner and Carl Floersch, Banker

With six days of rallies, classes, songfests, tours, swims, and lectures ahead of them, some 1,300 youthful Kansans took over the campus Monday and began their annual 4-H Club round-up.

Headline speakers on the program were Gov. Payne H. Ratner, Carl Floersch, Manhattan, president of the Kansas Bankers' association, and many Kansas State College faculty members and youth leaders.

The 4-H members were welcomed by M. H. Coe, state 4-H leader, and Dean H. Umberger of the extension service.

EVERYDAY ECONOMICS

By W. E. GRIMES

"If goods and services are provided by the government they must be paid for by the government."

How far should the government go in providing goods and services for the people? This question has provoked arguments ever since the adoption of the constitution and the formation of our present government. If goods and services are provided by the government they must be paid for by the government. To pay for them the government must take away from taxpayers a portion of their incomes as taxes.

The guiding principle usually followed in reaching a decision concerning the addition of a particular service or the provision of additional goods at governmental expense is the balance between the loss resulting from increased taxes and the benefits derived from more widespread use of a particular good or

EXPERIMENTS BY KANSAS STATE PHYSICIST FIRST TO PROVE EXISTENCE OF 'NEUTRINO'

Evidence proving the existence of the "neutrino," the presence of which is necessary to explain various phenomena connected with the emanation of beta rays from radioactive substances, has been gathered by Dr. J. S. Allen, associate professor of physics at Kansas State.

In a series of experiments conducted in College laboratories during the winter, Doctor Allen studied the particle, which he says is one of the most interesting known to the physicist because it has no electrical charge and is not magnetic.

The neutrino is smaller than the electron. According to present theories of nuclear physics, when certain substances such as radioactive beryllium disintegrate a neutrino should be emitted into space at the same time that the remainder of the atom is ejected. The presence of a neutrino should be indicated by the discovery of recoiling atoms.

In an article, "Experimental Evidence for the Existence of a Neutrino," to be published in an early issue of Physical Review, principal journal for experimental physics, Doctor Allen describes the equipment used for the study. Radioactive beryllium, prepared in the cyclotron, or "atom-smasher," at the University of Chicago was placed on a thin strip of platinum kept in a special vacuum tube. In order to make possible the detection of the recoiling atoms, Doctor Allen connected an electron multiplier tube to the vacuum chamber. The multiplier tube counted the slowly moving recoil atoms discharged in the production of the neutrino.

"The maximum energy of the recoil atoms ejected from the radioactive source agreed with the value expected if the neutrino existed. This appeared to be direct experimental evidence for the existence of the neutrino," Doctor Allen states.

Physicists have suspected the existence of the particle for a number of years, but no conclusive evidence has been offered until the completion of these experiments.

Doctor Allen came to Kansas State in 1939. He obtained a Bachelor of Arts degree at the University of Cincinnati in 1933 and a Doctor of Philosophy degree at the University of Chicago in 1937.

CLAPP SUGGESTS VARIETIES OF SORGHUM FOR MOLASSES

Agronomist Says Early Sumac, Kansas Orange or Leoti Red Best

Farmers who plan to supplement their supplies of rationed sugar with sorghum molasses should plant Kansas Orange, Early Sumac or Leoti Red, A. L. Clapp, secretary of the Kansas Crop Improvement association, says.

Atlas sorgho will make good molasses, Clapp says, adding that the flavor of Atlas sorghum is "not as strong, and its juice requires more boiling and skimming."

Early maturing varieties of sorghum are better adapted for use in making sorghum, Clapp explains, because it is essential that the plant be mature for production of the best quality sorghum. Early Sumac and Leoti Red qualify best for western and northern Kansas, because Kansas Orange and Atlas will not always mature in those sections of the state.

Staff Digs Deep

The purchase of a total of almost \$100,000 worth of war bonds and stamps annually was pledged by staff members of the College in the recent sign-up campaign, it was announced today by Dr. George Gemmell, chairman of the committee which directed the campus drive.

The total of 648 who signed pledges included almost every worker on the campus, Doctor Gemmell said, many of the departments pledging 100 per cent. The exact total of the pledges was \$98,653.79.

Other members of the committee and the divisions they represented were Miss Alpha Latzke, home economics; Dr. Fred Parrish, general science; Prof. R. F. Gingrich, engineering and architecture; Dr. R. R. Dykstra, veterinary medicine; Dr. Harold Howe, agriculture; and Prof. E. L. Holton, summer session.

REUBEN WISEMAN, ENGINEERING GRAD OF 1913, IS REPORTED LOST AT SEA

63-Year-Old Master Sergeant Mechanic in Army Air Corps Was Attached to Attack Squadron

Word has been received here of the presumed death at sea of Reuben E. Wiseman, 63, who was graduated from Kansas State College in mechanical engineering in 1913.

According to information reaching here, the War Department recently informed Mrs. Wiseman, Albuquerque, N. M., that her husband had not been heard from since January 7, when his ship left Honolulu for the Philippine Islands, and that he must be considered lost.

Mr. Wiseman was a master sergeant in the U. S. Army Air Corps, attached to an attack squadron which he served as a mechanic. He arrived in Hawaii a few days after the Pearl Harbor attack, December 7. He previously had served at Albuquerque, March Field, Calif., Kelly Field, Texas, and elsewhere.

In addition to his wife, Mr. Wiseman leaves three children, Charles M., 12; Joseph E., 11; and David, 3.

STUDENTS OF 22 YEARS AGO TAKE UP NEW STUDIES HERE

Mr. and Mrs. F. A. Slattery Are Enrolled in Defense Training Class

Back again on the same campus where they met more than 20 years ago, Mr. and Mrs. F. A. Slattery are attending national defense training classes at Kansas State College, preparing for war industry work.

Mrs. Slattery was awarded a bachelor's degree in home economics in 1917, but Mr. Slattery was called into military service before he could finish his training in animal husbandry. Mr. Slattery still wears a gold football, awarded to him for his play as an end on the Kansas State football team during 1915.

After 22 years of farming, the Slatterys moved back to Manhattan last fall to operate a rooming house just off the campus. When they heard about the tuition-free defense training courses offered at the College they determined to enroll. They now have been studying in the product inspection class for several weeks.

Mrs. Slattery explained that since they have no children this is the only way they can help in the war effort. "We do not expect to stay in this type of work after the war is over, but we want to do our parts while we can," she said.

COLLEGE ALUMNI BOARD NAMES 1915 GRAD TO VICE PRESIDENCY

(Continued from page one)

Grimes, Mr. Shaver and Mr. Luhnnow. Members of the Advisory Council who will continue to serve are C. E. Friend, '88, Lawrence; Mame (Alexander) Boyd, '02, Phillipsburg; Clarence G. Nevins, '07, Dodge City; and J. W. Ballard, '26, Topeka.

The golden anniversary reunion of the class of '92 brought eight persons back to the campus, six of them from points 500 to 1500 miles from Manhattan. Eight members of the class of '97 also returned. Of the older classes, the class of '07 had eight back, and the class of '12 22 members.

KANSAS BOARD OF REGENTS APPROVES SIX RESIGNATIONS, ONE APPOINTMENT

President F. D. Farrell Also Announces Two Leaves of Absence

Six resignations, two leaves of absence and one appointment are included in the list of faculty changes recently released by President F. D. Farrell, following approval of the State Board of Regents.

The changes: Dr. S. J. Roberts, instructor in the Department of Surgery and Medicine, has resigned effective June 30; Miss Raymona Hilton, instructor in the Department of Institutional Management, has resigned effective May 31; C. A. Pippin, instructor in the Department of Mechanical Engineering, has resigned effective May 31; A. H. Zink, instructor in the Department of Mechanical Engineering, has resigned effective May 31; Dr. W. J. Peterson, assistant professor in the Department of Chemistry, has resigned effective May 31; B. W. Beadle, assistant chemist, has resigned effective May 12.

Dr. Albert E. Martin, Jr., has been employed as assistant College physician, effective June 1, to succeed Dr. J. W. Hanson, promoted to headship.

Dr. W. H. Metzger, associate professor of agronomy, has been granted leave of absence for the month of June, because of illness; Jack H. Gardner, assistant professor in the Department of Physical Education, and head basketball coach, has been granted leave of absence, effective June 1, to accept active service in the Navy Department.

ENLISTED RESERVE UNITS AT KSC WILL HAVE COORDINATED SUPERVISION

Unification Will Be Effected under Direction of War Department, It Is Announced by President Farrell

Kansas State College will participate in a new unified program for the Enlisted Reserve units under the direction of the United States War Department, it has been announced by President F. D. Farrell.

Prof. M. A. Durland, assistant dean of the Division of Engineering and Architecture, is faculty adviser for the new program, which will include preinduction training for students enlisted in reserve units of the Army and Navy.

In general, the plan calls for the voluntary enlistment in the Army Enlisted Reserve Corps of a certain number of college students, who may remain for the time being in an inactive status in order to continue their education. Specific plans for the program have not been announced.

The number of students to be enlisted during the present calendar year for all schools participating in the program is 80,000 first-year men, 57,000 second-year men, and 41,000 third-year men. The quotas for Kansas State College have not been announced.

Selection of students will be made by Col. J. K. Campbell, head of the Department of Military Science and Tactics, in cooperation with the College authorities. Students in the Enlisted Reserve Corps presumably will not be called to active duty before graduation, but the program specifies that in case the necessity of war demands, the Secretary of War may call to active duty members of the enlisted reserve at any time.

FACULTY MEMBER WRITES OF NEW SYNTHETIC FIBERS

Dr. Hazel Fletcher Is Author of Recent Experiment Station Bulletin

The classification, serviceability and care of the various synthetic textiles and fibers are discussed in "Synthetic Fibers and Textiles," a recent publication of the Kansas Agricultural Experiment Station. The bulletin, No. 300, was written by Dr. Hazel Fletcher of the Department of Clothing and Textiles.

"Synthetic fibers now are playing a major role in the textile industry, due partly to the great variety of moderately priced fabrics which can be made from them," Miss Fletcher states in the publication. Included among the textiles discussed are viscose, cellulose acetate and cuprammonium rayons; protein fibers such as lanital, nylon and vinyon.

Copies of the bulletin may be obtained by addressing a request to the Kansas Agricultural Experiment Station, Manhattan, specifying Bulletin No. 300, "Synthetic Fibers and Textiles."

THE KANSAS INDUSTRIALIST

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Number 32

HITLER MUST ANSWER TO COURT OF 'HIGH LAW,' JUDGE OTIS SAYS

121 CANDIDATES RECEIVE DEGREES AT SUMMER COMMENCEMENT

The 121 graduates in the summer school commencement exercises in Memorial Stadium July 24 heard Judge Merrill E. Otis, of the United States District Court, summon Adolph Hitler, "supreme culprit of history," into a new court on earth where the higher law would be administered.

Judge Otis accused Hitler of the murder and rape of a peaceful world, of the throttling of liberty, the slaughter of democracy, and the crushing of freedom. His subject was "There Is a Law."

"Some day," Judge Otis prophesied, "not such a distant day, perhaps, there will be constituted a new court on earth. It will have a bench of many judges. Every land where liberty is cherished will be represented. The law administered in that court will be the high law, those immutable principles of justice which bind all nations for all time."

Judge Otis was introduced by President Farrell. The invocation was given by Msgr. A. J. Luckey of the Seven Dolers Church, Manhattan. Willis N. Kelly of Hutchinson gave the regent's address.

The College orchestra, conducted by Lyle W. Downey, played a processional, "March of the Priests" by Mendelssohn and followed it with "The Shepherd King" by Mozart.

Deans of the College schools presented their candidates to President Farrell who in turn presented the graduates with their diplomas and gave his charge to the class. Eighty-five received the bachelor of science degree, 33 the master's degree, and three men students were granted their doctorates.

The list of recipients of degrees:

Bachelor of Science in Agriculture: Charles Thomas Baxter, Circleville; Freeman Elmer Biery, Stockton; Samuel Peter Breiner, Savonburg; Walter Eugene Chappell, Chanute; Elton Arthur Endicott, Manhattan; Vernon Victor Geissler, Durham; Ray Albert Keen, Topeka; Russell Charles Klotz, Saffordville; John Alexander Marten, Winfield; Max Orville Roberts, Chanute; James Joseph Smith, Axtell; Delbert Gail Taylor, Meade.

Bachelor of Science in Milling Industry: Arlin Bruce Ward, Manhattan.

Bachelor of Science in Agricultural Engineering: Marion Andlauer Miller, Topeka.

Bachelor of Science in Chemical Engineering: Leo Russell Best, Bushong; Philip Schnelle, Coffeyville.

Bachelor of Science in Electrical Engineering: Loren Edward Ameringer, Great Bend; Wilbur Glen Hole, Topeka; Kenneth McEntire, Pittsburg; Otto Fredrick Oberhelman, Jr., Manhattan.

Bachelor of Science in Mechanical Engineering: Clarence Lafayette Ash, Wetmore; Beverly Ross Chapin, Wichita; Robert Matthew Dunlap, Liberal; Lloyd Burton Greer, Pittsburg; Eugene Booth Mills, Wichita; Raymond Lee Mussatto, Burlingame; Theodore Kenneth Riggs, Hays.

Bachelor of Science in Home Economics: Nita Mae Stricklin Biery, Stockton; Grace Louise Brandner, Leoti; Josephine Ann Breit, St. Joseph, Mo.; Teloir Marie Brown, Ashland; Carroll LaRue Buck, Welda; Gloria Jane Danielson, St. Francis; Bettie Irene Garrison, Waverly; Geraldine Marie Giffin, Spring Hill; Genevieve Jean Harris, Manhattan; Julia James Hoover, Kansas City; Robin Joan Jefferis, Lewis; Orla Carmack Kemper, Kiowa; Jean Elizabeth Kessler, Excelsior Springs, Mo.; Margaret Smiles Kitterman, Courtland; Frances Eldora Lehman, Deer Creek, Okla.; Mildred Josephine Lewis, Dodge City; Helen Mae Monfort, Iola; Freda Evelyn Mumaw, Onaga; Mary Marie Olson, Dwight; Lois Vivian Reeves, Almena; Marie Katherine Reinhardt, Russell; Lois Haroldine Roessler, Medicine Lodge; Mary Ellen Shaver, Salina; Shirley Spohn, Conway; Margaret Rose Stevick, Nowata, Okla.; Circea Ruth Margaret Teel, Oskaloosa; Marjorie May Wanamaker, Barnes; Wilma Jeanne Wedell, Topeka; Margaret Nancy Wiley, El Dorado.

Bachelor of Science degree: Lee Richard Cashman, Centalla; Natalie Evelyn Chavey, Clyde; Violet Hazel Farmer, Fredonia; William Page Folck, Junction City; Avery M. Garton, Jr., Junction City; William Ewers Guy, Kansas City; Elmer Mae Hendrix, Aliceville; Doris Marie Hiser, Manhattan; Kenneth Lee Roy Lohmeyer, Bern; David Earl Rintoul, Garden City; Helen Jean Stout, Kansas City, Mo.

Bachelor of Science in Business Administration: Floyd Ernest Kirkland, Junction City; Leo Benedict Osterhaus, Marysville; Leo Russell Webster, Dodge City.

Bachelor of Science in Industrial Chemistry: Joseph Benedict Hoover, Greenleaf; Wilbur Bernell Reed, Marysville.

Bachelor of Science in Industrial Journalism: Mary Patricia Collard, Leavenworth; Charlotte Baenen Dixon, Junction City; Terryll Dougherty, Manhattan; Kendall Wayne Evans, Berkeley.

Announces Staff

B. L. Hancock, St. Francis, next fall's editor of the Kansas State Collegian, announced her staff recently. Associate editor will be Arlene Shoemaker, Kansas City, Mo.; copy desk editor, Charlotte Collins, Ft. Worth, Texas; copy readers, Jack Thomasson, Belleville, and Margaret Mack, Manhattan; sports editor, Dick Remington, Hutchinson; society editor, Ann Ford, Brookings, S. D.; assistant society editor, Margaret Reissig, Topeka.

Bird to Country Gentleman

John Bird, a graduate of Kansas State College in 1932, has been appointed associate editor of Country Gentleman, weekly farm magazine. Previously, he did publicity work for different departments of the government.

DEAN SEATON RECEIVES LAMME MEDAL FOR WORK IN ENGINEERING EDUCATION

Roy A. Seaton, dean of the School of Engineering and Architecture at Kansas State, was awarded the Lamme Medal for achievement in engineering education at the fiftieth annual dinner of the Society for the Promotion of Engineering Education held recently in New York.

Northeastern university at Boston also honored Dean Seaton when they conferred an honorary degree of Doctor of Science upon him June 14 for his distinct contribution to engineering education.

Dean Seaton has recently returned to the College following a leave of absence during which he was Director of Engineering, Science and Management Defense Training, United States Office of Education, Washington, D. C.

In that position, he organized and administered a nation-wide program of short courses of college grade, given by more than 200 degree-granting colleges and universities. The courses were designed to meet the shortage of engineers, chemists, physicists and production supervisors in fields essential in the national defense. Enrollment in courses exceeds 500,000.

On the presentation of the Lamme Medal, Dean Seaton was commended "for his leadership in engineering education arising from devotion to sound teaching and appreciation of the value of research; for his skill in the guidance of professional societies through his conception of their needs and his power of administration; for his service to his country through the development of emergency training in engineering in time of war; and for his demonstration of the value of basic engineering training in the solution of a large social and economic problem."

Dean Seaton, who is the fifteenth Lamme medalist, has been connected with the College since 1904, and has been dean since 1920. He is a director of the engineering experiment station.

Bachelor of Science in Music Education: George Robert Darnes, Sublette; Eunice Wheeler Justus, Manhattan; Arabel Rosemary Stewart, Hutchinson.

Bachelor of Science in Physical Education: Margery Lawrence, Topeka; Marjorie Lucille McGrew, Coffeyville.

Master of Science degree: Charles Henry Adams, Wilsey; Lee Ella Blake, Kansas City; August Russell Borgmann, Longmont, Colo.; Dean Eugene Braden, Junction City; Joseph Oscar Brown, Wakeeney; Charles Loyd Cassel, Culver; George W. Cochran, Topeka; Veola M. Crouch, Houston, Tex.; Marguerite Rose Davis, Independence; Franklin Eldridge, Pagehe, Idaho; Viola Barron Eyestone, Wichita; E. C. Goforth, Keats; Albert Alexander Halton, Lafontaine; Irene W. Hartman, Garnett; Maggie L. Jeffery, Elmdale; Rodney Johnston, Central City, Neb.; Richard Keith, Manhattan; Colter A. Landis, St. George; William A. Lunsford, Hamilton, Ohio; John H. McCoy, Manhattan; Roy W. Maze, Alma; Dorothy Nichols, Pittsburg; Claude Paul, Fairview; Mila Margaret Pishney, Cleburne; H. D. Richardson, Long Island; Elmer Rollins, Glen Elder; Ralph Samuelson, Manhattan; Hazel Marie Scott, Manhattan; Raymond Seltzer, Elmwood, Ill.; Genevieve Smith, Chicago; Edward Stickley, Topeka; Harriet Taylor, Parsons; Doris Whitney, Phillipsburg.

Doctor of philosophy degree: Bernard B. Bohren, Manhattan; R. G. Dahms, Lawton, Okla.; Herbert Haas, Manhattan.

LT. HARRY BOUCK NAMED WINNER OF CAPPER AWARD IN JOURNALISM

MANHATTAN BOY IS FOURTEENTH ANNUAL RECIPIENT

Lt. Harry Phillips Bouck, of the Army Air Corps, stationed at Sheppard Field, Tex., has been awarded the Senator Capper Recognition Award for outstanding achievement in industrial journalism by the vote of the journalism faculty at Kansas State where Bouck was a member of the senior class until his enlistment this spring. He is the son of Mr. and Mrs. H. W. Bouck, Manhattan.

The award has been given each year since 1928. Originally it was given for outstanding work in agricultural journalism but since 1938 it has been broadened to include the entire field of industrial journalism.

Bouck was graduated from Manhattan High School in 1938. His newspaper experience includes six months general reporting for the Manhattan Tribune-News, four and one-half years on the Manhattan Mercury-Chronicle, including work as a sports reporter, high school and college reporter, work on special editions and relief work as assistant editor. He also has some experience in advertising.

Bouck's name will be engraved on a silver plaque that was presented by Senator Capper to the Department of Industrial Journalism and Printing and now hangs in the journalism building.

Kansas State in World War I

As campus life swings into a war tempo of accelerated courses, defense training, enlargement of the military program, and students and faculty joining the armed forces, we see the picture of Kansas State in World War I in better perspective.

War in 1917 broke upon the calm of college life just as harshly as the bombing of Pearl Harbor did 25 years later. It was the same grim business of "stopping Germany" that sent 1,200 Kansas State men into a conflict which cost at least 52 of them their lives. Students almost immediately were excused from college to enlist. The College like others gave a bonus in academic credits to such men. Seniors were graduated if they had completed seven-eighths of the required work.

Soon after the declaration of war the War Department established a training camp for officers at Fort Riley that at once attracted nearly 50 students, former students and members of the faculty. At this time no Reserve Officers Training Corps had been organized at the College, but an R. O. T. C. was authorized in January 1918. About 60 enlisted for the advanced work. Capt. William P. J. O'Neill was detailed as professor of military science and tactics and commandant of troops.

The American enthusiasm and energy for selling liberty bonds was apparent on the hill then and the talents of the faculty were directed toward war efforts whenever possible. Henry Jackson Waters, then president, was chairman of the Kansas Defense Council, Dean Mary P. Van Zile was federal home economics director for Kansas, and Dean A. A. Potter of the Division of Engineering gave extended and varied service. Later President Waters was appointed food administrator for Kansas with H. W. Davis as his executive secretary.

By the spring of 1918 the College undertook the training of successive groups of drafted men in several mechanical and scientific lines. A total of 1,230 men were here in the three detachments. The cafeteria, then in Kedzie Hall, under the direction of Prof. Margaret Haggart, Miss Flora Monroe, and Miss Lenore Richards, fed 500 men at a time. It was accomplished in 45 minutes by means of an elevator that brought the food up from the kitchen of the building. A mess hall was established later by the government.

A major episode in the service of the college in the first World War was the establishment of Students' Army

Grandmother into Defense

Mrs. Estee H. Johnson, defense training student at Kansas State College, finds that life holds new experiences every day.

Recently, Mrs. Johnson enrolled for the defense course in product inspection offered under the federal training program to prepare workers for defense industries. Even more recently, she became a grandmother.

She is "thrilled and happy" about the baby and eagerly anticipating her first defense job.

329 ENROLL IN 2ND SUMMER SESSION; 1,407 TOTAL HIGHEST IN KS HISTORY

The largest aggregate total for summer school attendance at Kansas State was reached when 329 students were assigned classes in the special 4-weeks session, bringing the total number studying here in the summer of 1942 to 1,407. Of this number 251 were also enrolled in the regular 9-weeks session, so the net total for the summer was 1,156. Either number exceeds any other enrollment figure for summer study. One thousand seventy-eight were enrolled in the first session. The previous high was 1,058 in 1931.

Harold McClelland, a graduate of Kansas State College in 1916, has been made Brigadier General in the U. S. Army Air Corps. He is now stationed in England.

LARGEST COLLEGE MILITARY UNIT IN KANSAS IN FULL SWING AT KSC

HUNDREDS OF STUDENTS TRAINING IN RESERVE PROGRAMS

With Kansas' largest college military training unit as a basis, Kansas State College will offer the combination of college training and preparation for entrance into the nation's armed forces at its conclusion, to hundreds of it men students this fall. Authorization of enlargement of the military training program, on the basis of enlisted reserves, has been received by M. A. Durland, assistant dean of the School of Engineering and Architecture, who is in charge of the program for the entire College.

Students enlisted in one of the various reserve plans which will be in operation at the College will not normally be subject to induction for active military service before graduation or completion of advanced R. O. T. C. unless they withdraw from College, fail to graduate, or fail to make a satisfactory grade in a qualifying examination given to students in the enlisted reserve during the second year. Federal authorities, of course, have the right to call members of the enlisted reserve for active duty at any time if the military situation demands it, but do not now expect this to become necessary.

FOUR PROGRAMS

Kansas State's reserve program will be built primarily around its infantry and coast artillery R. O. T. C. units, but will also include a Signal Corps Reserve and Army Air Corps Reserve. The college will receive an over-all quota for all its reserve plans, which will cover all four classes and include both students in the advanced course R. O. T. C. unit and in the basic course. Basic course R. O. T. C. training is required of all men students during the freshman and sophomore years, since the college is a federal land-grant institution. This makes the K-State R. O. T. C. unit the state's largest.

Because of the requirement that freshmen and sophomores take army R. O. T. C. training at Kansas State College, men students in these two classes may not enter naval deferred-training programs until the end of their sophomore year. The same holds for marine corps reservists. At the end of the sophomore year students with the proper qualifications may, with the approval of Dean Durland and Colonel Campbell, either go on into advanced R. O. T. C. training, into the army air corps or the signal corps, or they may go into any of the other reserve plans.

RECORD TO DECIDE

Decision as to whether students will be formally members of the army enlisted reserve during their first two years in college, and therefore not subject to selective service call during that period, will be made by Colonel Campbell on the basis of the students' records and qualifications.

Naval enlistments at Kansas State College will be made as follows: (1) No enlistments in the Naval Reserve will be made from the freshman class; (2) Enlistments in the Naval Reserve from the sophomore classes will not be made until after selection of students for the Army R. O. T. C. Advanced Course has been made.

The selections for the Army R. O. T. C. Advanced Course will be announced not later than three months prior to the completion of the equivalent sophomore year. Arrangements for the enlistments of students for the Naval Reserve from the sophomore class may be made immediately after the selections are made for the advanced Army R. O. T. C. The actual enlistments of those students will be completed at the end of the sophomore year. Students who have been previously enlisted in the Army Enlisted Reserve Corps and who do not accept contracts for the Army R. O. T. C. Advanced Course will, upon application, be discharged to enlist in the Naval Reserve.

Virtually the same plan will be used in case of enlistment in the Marine Corps.

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WEDNESDAY, JULY 29, 1942

FARM WOMEN AND THE WAR

Farm women wear no uniforms and are seldom photographed, doing "war work," for the society or feature sections of metropolitan newspapers. They are nevertheless making a war contribution equal in essential importance and far superior in total volume to that of any other women's group in the country.

To farm families who have written to ask what farm wives and daughters ought to do to help in the war effort, the Secretary of Agriculture quite appropriately has replied: "There's plenty of war work right on the farm."

Mr. Wickard, although appreciative of the desire of city women and high school boys and girls to help solve the farm labor problem, expressed an obvious and important fact when he said, "For getting most of the steady, day-to-day work done, farm families will have to depend on themselves."

"The women who live on farms know a lot more about crops and farm animals and farm machinery than people brought up in cities," he added, pointing out that farm women are giving added time in dairying and in the fields, on top of an already full schedule of homemaking activities.

The task of keeping families united and cheerful in spite of difficulties also will fall to a large extent on the farm woman, Mr. Wickard said.

Not much chance for public glorification, here, but farm women have seldom sought that type of reward. Every chance for an outstanding contribution to the national effort in time of crisis. Farm women are used to making that type of contribution and are setting a standard of performance their city sisters will do well to match.

BOOKS

Rural Life and Education

"Rural America Today: Its Schools and Community Life." By George A. Works and Simon O. Lesser. University of Chicago Press. 1942. \$3.75.

There is much gratifying discussion nowadays of rural education and rural life as essential factors in national well-being. This book is one of several recent authoritative contributions to the discussion. Its 450 pages contain an abundance of data and comment clearly, cogently and temperately presented.

For centuries the rural community has served as a major source of human stock and human stamina for the support of the cities and for the continuity of civilization. As social and economic interdependence and the complexity of civilization have increased, the importance of rural well-being has increased and the problems of rural life and rural education have become more difficult. This is the background of this excellent book.

The book's 16 chapters are concerned with such subjects as dollars and children, the schools and rural health, older rural youth, the training of rural teachers, adult education in rural areas, and the responsibility of the states and the nation for rural education.

In the chapter on adult education in rural areas a well-deserved tribute is paid to the extension service operated by the land-grant colleges in cooperation with the United States Department of Agriculture.

"There can be no gainsaying the worth of a program which in one year influences actual changes in practice

on 3,800,000 farms and in 2,250,000 rural homes . . . its effects on human beings whether or not they are reflected in observed changes in practice are at least as important as the concrete accomplishments by which the effectiveness of the service is usually gauged. . . . Important changes in its program are necessary, however, if it is to be equally influential in the future." The authors point out, correctly, that the recent trend in extension work toward increased emphasis on social and economic problems and on the non-economic needs of rural people must be continued and strengthened.

The concluding chapter, on state and federal responsibility, contains much helpful information and suggestion. It might well have included more emphasis on the importance of local autonomy and local responsibility. It does not ignore this topic; but, in the opinion of this reviewer, it does not emphasize it as forcefully as its significance to education and to democracy warrants. Just as children are more important than dollars so local autonomy and local sense of responsibility are more important than state and federal subsidies, necessary though these may be.

It is doubtful whether a better book than this one has ever been published on the subject. Its excellence commends it to every person who wishes to understand the significance and the problems of rural education or who is engaged in any branch of the subject or in other activities for the improvement of the American rural community.—F. D. Farrell.

ARMY GETS PLASTIC HELMETS

Tough, light-weight plastic helmets that have the strength of steel, weight for weight, are now in mass production to give Uncle Sam's fighting men maximum protection and comfort during non-combat duty.

Although they weigh less than 12 ounces and are made of cloth and resin, the plastic helmets are tough enough to withstand the force of an eight-pound steel ball dropped from a height of nearly two feet. This is the Army-specified crash resistant test of 15 foot-pounds.

In stopping the ball the helmet 'gives' three-sixteenths of an inch, resisting a force at the point of impact of nearly a half ton. This means the helmet in effect withstands approximately 1,000 pounds dropped three-sixteenths of an inch. The plastic helmet is the liner or inner-half of the Army's new two-part steel and plastic headpiece.

The outer half of the new two-part helmet is a two-pound steel shell that fits over the plastic liner during combat duty. A small air space between the liner and the shell—together with the insulation properties of the plastic—provides heat insulation, a development that makes the two-part helmet more comfortable than the "tin hats" which American doughboys wore in World War I. When not being worn, the steel shell is hung from the soldier's belt.

When the shell is placed over the liner, the two-part helmet must withstand a crash resistant test of 50 foot-pounds.

The plastic helmets are produced by pressing resin-impregnated fabric in a mold with a force of nearly 150 tons. Several layers of this fabric, a heavy cotton duck material, are placed in the bottom half of a metal mold which has the shape of the finished helmet. Then the upper half of the mold is forced down by a hydraulic press for a few minutes and hot steam shot into the mold to produce a temperature higher than that of boiling water. The heat bakes and hardens the resin, giving the finished plastic its great strength.

Removed from the press, the hard, shiny, olive-drab colored helmets are trimmed at the brim to the proper size, painted with a durable enamel of the same color, and inspected. To make sure that the plastic consistently meets Army specifications, a helmet is taken off the production line at frequent intervals and given the 15 foot-pound impact test. The helmets are phenolic type plastic.—Westinghouse News Service.

JOURNALISTIC REVOLUTION

A revolution has been quietly undermining the foundations of world journalism. This revolution is the work of the news-letters, which some day may be regarded as the greatest new departure in the newspaper business since the invention of the telegraph, the linotype, and the rotary press.—Ferdinand Lundberg in Harper's Magazine.

The Synthetic Rubber Controversy

The controversy over synthetic rubber has confused many who are accustomed to political but not technical argument. The public does not realize that disagreements among scientists are chiefly caused by lack of facts.

Synthetic rubber is so new that few facts exist. In 1940, only 11,700 tons of synthetic rubber were manufactured in this country. This may be contrasted with the one million ton goal set for 1944. This huge increase in production would be a nearly overwhelming problem in normal times, but now that the lives of thousands of American soldiers and sailors depend upon it, it must be solved.

The problem early divided itself into two parts: what raw material was most feasible and what process should be used.

Synthetic rubber has been manufactured for several years on a small scale from coal, petroleum, grain, certain shrubs and alcohol. Many processes exist by which each of these may be made into rubber. So far the largest tonnage, that of neoprene, has been manufactured by a process utilizing coal, limestone, salt and water.

The greatest number of processes use petroleum as the starting point. Petroleum may be converted to butadiene, which in turn may be combined with styrene, from either coal or petroleum, to form Buna S, the so-called favorite of the War Production Board.

Butadiene may also be combined with acrylonitrile to yield Perbunan or Buna N, a more expensive type of

synthetic rubber. Butadiene and butylene, another petroleum product, yield Butyl, a promising new type of synthetic rubber.

All of these products make use of butadiene, and therein lies the heart of the present controversy, for butadiene may also be manufactured from alcohol, which may in turn be manufactured from wheat, corn, grain sorghums, molasses and petroleum.

To further complicate the picture, the U. S. Department of Agriculture has recently announced a process by which grain can be converted to butadiene without going through the alcohol step. In this process, grain may be fermented to butylene glycol, which may then be converted to butadiene.

Rubber may also be obtained from shrubs and plants such as guayule, "kok-sak" and milkweed.

Which process is best, which is most economic, which is quickest? Only time will tell, for data on large-scale production is not available. A simple solution would be to try all methods, but there is a critical shortage of materials for plant construction, chiefly iron, steel, copper—and time.

Because there are so many complicating factors, an answer must be found based on incomplete information. To Adolph Hitler, the solution would probably be clear. If the answer were wrong and the program failed, heads would roll. In America, opinions are respected, so perhaps the only trouble with synthetic rubber is democracy.—W. L. Faith, Head, Department of Chemical Engineering.

IN OLDER DAYS

From the Files of The Industrialist
TEN YEARS AGO

How a good-sized army of bankers selected because of their interest in agriculture were making history in the banker-farmer movement was described by Dan C. Otis, '92, in the August issue of the American Bankers Association Journal. Otis was director of the agricultural commission of the association.

Dean R. A. Seaton of the Division of Engineering was elected president of the Society for the Promotion of Engineering Education at the annual meeting of that organization in Corvallis, Ore.

Prof. Ada Rice attended the biennial convention of the American College Quill Club which was held at Macalester college in St. Paul, Minn. Miss Rice was in charge of extension for the organization.

TWENTY YEARS AGO

Floyd B. Nichols, '12, managing editor of the Capper Farm Press, was elected president of the alumni association of the College, succeeding Harry Umberger, '05, president for the past two years.

Odessa D. Dow, '20, who had been studying at the University of Wisconsin the past year, received the degree of master of science, her major work being in chemistry.

Oley W. Weaver, '11, succeeded Cliff J. Stratton, '11, as alumni secretary of the College, attended his resigned to again become statehouse reporter for the Topeka Capital, after having been alumni secretary for two years. Mr. Weaver was formerly a member of the city news staff of the Kansas City Star.

THIRTY YEARS AGO

I. D. Graham, Topeka, former employee of the College, attended his thirty-third commencement exercise at the College. Mr. Graham was not a graduate of the College and had never been enrolled as a student.

Roy Graves, '09, who received his master's degree in dairy husbandry at the University of Missouri in June, went to Washington, D. C., as an assistant in the division of dairy husbandry.

Grover Kahl, '07, was employed by the General Electric company at Schenectady, N. Y.

FORTY YEARS AGO

William L. Hall, '98, was promoted to the office of chief of the division of forest extension in the bureau of forestry, United States Department of Agriculture. Mr. Hall was formerly assistant superintendent and later acting superintendent of the section of tree planting in this division.

Prof. K. C. Davis, a native of Kansas and a graduate of the Kansas State Agricultural College, was

named principal and director of the Dunn County Agricultural college, Menomonee, Wisconsin, which was to be opened in October.

Dr. E. C. Joss, '96, was elected instructor in veterinary science in the Washington Agricultural College and School of Science.

FIFTY YEARS AGO

Abbie Marlatt, '88, completed her second year's work as professor of domestic economy in the Utah Agricultural college at Logan.

Frank L. Parker, '86, was manager of the Atchison, Topeka and Santa Fe railway telegraph office at Pueblo, Colo.

W. E. Whaley, '86, returned to Manhattan after completing a year's study at Northwestern university, Chicago.

SIXTY YEARS AGO

Professor Platt attended the State Horticultural society's semi-annual meeting at Clay Center.

Professors Ward and Popenoe attended the meeting of Agricultural College Professors at Ames, Iowa.

PUBLIC OPINION PARAMOUNT

Democracy rests ultimately upon "public opinion" as its base. Public opinion follows upon free speech, free interchange of ideas, of judgments, of opinions; it is generated by these things. Men interchange these things by words. . . . Sound logic it was that put grammar, logic, and rhetoric as preliminary to geometry, arithmetic, music, and astronomy in the scheme of the seven liberal arts in an age which was notable for the clearness of its thinking and the exactitude of its expression. Both these things are absolutely necessary to the functioning of democracy as the best form of government. If we are going to "educate for democracy," we had better find the right way to teach them.—Thomas F. Woodlock in the Wall Street Journal.

PICNIC IN BACK YARD

To save on tires this summer and still have the fun of family picnics, consider the possibilities of a fireplace in the back yard. A picnic at home may be even more comfortable than one in the open among the chiggers, ants, mosquitoes, ticks and flies that sometimes detract from full enjoyment of the scenery—along with nearby poison ivy. After the back yard picnic there is no long return trip to wear out precious tires.—United States Department of Agriculture Bulletin.

The first well organized and properly reported farmers' institute under the auspices of the Kansas State College faculty was held November 14, 1868.

KANSAS POETRY

Robert Conover, Editor

"WALDEN"

By Isabelle Bryans Longfellow

I sought him on a costly page
Within a binding choice as he—
Fit setting for the Concord sage
And his too rare philosophy.

I should have known he would not be
Wrapped in unnecessary splendor
Who chose the wild wood's company
And scorned the cloak of the pretender.

Upon a shelf where book stalls render
Service to fortunes out of luck,
He waited for the budget spender—
Priceless Henry for one buck!

Isabelle Bryans Longfellow of
Wichita has contributed poems to
Good Housekeeping, Christian Science
Monitor, Columbia, America and many
other periodicals. She is a former
teacher of speech in Denver University,
her alma mater.

SUNFLOWERS

By H. W. Davis

WITHOUT DOUBT (COMMA) WE
ARE CRAZY

There are how many tons of rubber
in America?

The fall of Libya was due to what
and whom?

The Nazi loss in Russia during the
first year of war was how many hundred
thousands or how many millions?

Just three little questions to show
what an awful time of it Truth has
when war is on!

There are people, I am told, who
know how many horses are in America,
and I read not long ago the works
of a man who professed to know how
many rats (quadruped) this land of
ours supports. But not even Donald
Nelson and President Roosevelt, with
all the brains in the country at their
command, can find out within a hundred
thousand how many big tons of
rubber we can count on.

Prime Minister Churchill is just as
highly perplexed by the British collapse
in Libya as the thousands of
cracker-box experts in Mid-America
are. That is what he confessed to
Parliament. And he knows a lot.

Hitler says he has lost 270,000
officers and men in his year-long campaign,
plus 65,000 missing. The Russians
admit killing 5,000,000 of that
335,000. That is arithmetic de luxe.

What can a man believe—in war
time? Only that Truth goes into hiding
and stays hidden. Probably because
she knows that man-at-war grows
fearful of facts. He suspects they
intend to harm him and help his
enemies. Truth is the first, last, and
biggest casualty of war.

What can you and I do about it?
Well, that isn't quite so hard. We
can wait for Truth to emerge. It will,
sooner or later. We can refuse to
listen to stories over a foot and a
half tall.

We can refuse to believe anything
until the tenth of the following
month. It's a good deal like the truth
about the grocery bill and that balance
in the bank.

You may have to wait a whole minute
or two for the Truth in these
words to catch up.

"BLESSED ARE THE MEEK"

I believe good might follow if over
the desk of every research worker
and every extension worker and every
agricultural and soil conservation
worker and every teacher, especially
every educational administrator, this
motto were placed: "Blessed are the
meek for they will not mislead their
brothers with poorly considered
teachings or strutting shams." The
God of Nature reveals his laws, I
believe, very rarely to the propagandist
or to the pompous, or even to the
merely zealous, but rather to him
who trains diligently in the technique
and the records of a system of knowledge,
who records his own observations
clearly and briefly for the benefit
of all workers, who reviews and
reorganizes his knowledge frequently
in the light of new discoveries, who
consults as frequently as possible with
workers in his field and related fields,
hoping for a vision that points to a
safe advance in human welfare, and
who is meek enough to see a vision
unobscured by projections of himself.—W. H. Chandler—"Forty
Years of Helping the Farmer with
Knowledge." Science, 95:563-567.

AMONG THE ALUMNI

J. Dana Needham, B. S. '83, writes that he is in the mercantile business in Lane, Kan.

David G. Fairchild, B. S. '88, M. S. '91, D. Sc. '38, has retired from active work with the U. S. D. A., but he is still introducing foreign plants into America. He and Marian H. B. (Bell) Fairchild live at 4013 Douglas Road, Coconut Grove, Fla.

Fred C. Sears, B. S. '92, M. S. '96, Sc. D. '37, Professor of Pomology, Emeritus, Massachusetts State College, Amherst, Mass., was presented a medal by the Massachusetts Society for Promoting Agriculture at the celebration of the one hundred fiftieth anniversary of the founding of the society in recognition of his service to the state. Dr. Sears lives at 44 Mt. Pleasant, Amherst, Mass.

Minnie L. Copeland, B. S. '98, is doing private nursing in Boston and vicinity. Her address is 41 Clark Road, Brookline, Mass.

Erma Locke, D. S. '01, teaches English and history in the Phillipsburg High School. She lives at 492 Second Street, Phillipsburg, Kan.

Henry A. Spuhler, Arch. '06, and Loda (Cowger) Spuhler live at 1827 Kensington, Kansas City, Mo. Mr. Spuhler is employed at the Bunting Hardware Company.

Ralph A. Armstrong, M. E. '09, is an inspector in a munitions plant. He and Katherine (Arnold) Armstrong are living at 480 Melville Avenue, Route 1, Decatur, Ga.

Lynne J. Sandborn, D. S. '10, sends in her address as 31 East Winspear, Buffalo, New York. She is an employment and placement interviewer for the U. S. Employment Service.

Harold P. Wood, Ag. '12, and Dorothy (Allen) Wood, f. s. '12, live at Raleigh, N. C. Mr. Wood is doing farm management work with the Farm Security Administration.

Mary K. Boyle, H. E. '14, gives her address as 134 Waverley Avenue, Newton, Mass. She is doing research work.

Victor Whiteside, M. E. '14, and Louise (Miller) Whiteside are at 1607 W. 19th Avenue, Pine Bluff, Ark., where Mr. Whiteside is doing defense work.

Katharine (Laing) Scarborough, H. E. '15, writes "I am comparative shopper for one of the department stores here in Indianapolis. It is part time work, and the rest of the time I am just a housewife." She and her husband, Sidney F. Scarborough, live at 3510 N. Meridian Street, Indianapolis, Ind.

Cadet Lt. Curtis L. Riney was recently presented a sword by the faculty and staff of the University of California at Los Angeles, for his outstanding four-year R. O. T. C. record. Lieutenant Riney was also high scorer among 290 contestants, representing 27 universities and colleges, in the recent Hearst rifle match. His father is James Curtis Riney, Ag. '16.

Esther (St. John) Croyle, H. E. '16, and Charles F. Croyle, f. s. '16, are farming at Harrison, Idaho. They have six children. Leonard, 23, is attending college at Colorado Springs, Colo.; Donald, 21; Winifred, 18; and Josephine, 17, who will attend Bible school this year; Lawrence, 15, and Homer, 11.

Mabel E. Hinds, H. E. '17, sends in her address as 3310 McComb, Cheyenne, Wyo. She is state supervisor of the Deaf and Blind for the Wyoming State Department of Education.

Charles W. Bower, D. V. M. '18, operates the Bower Animal Hospital and Clinic in Topeka. He and Ruby (Jacques) Bower, f. s. '18, live at 1128 Kansas, Topeka.

Bertha (Flynn) Pharis, H. E. '19, and Victor Pharis, live at 62 Fairview Place, Decatur, Ill. Mr. Pharis is production manager of the home office of the Purity Baking Company, in Decatur.

Major Hugh Byron Dudley, I. J. '20, writes "I am now on active service as the adjutant of the Air Corps Ferrying Command, Washington, D. C." He gives his residence address as 242 Lakewood Road, West Palm Beach, Fla. His wife is Margaret (Blake) Dudley.

Jessie (Evans) Brown, G. S. '21, and James D. Brown live at Papaaloo, Hawaii. Their three children are Wilma, 14, James, 12, and Charles,

3. Mrs. Brown writes "I teach junior and senior English in the Laupahoehoe High School. Before December 7, we struggled with pidgin English. Since the influx of the army, we have taken on ungrammatical Americana—"I seen," "I done," and "I don't know nothin'." Personally, I prefer the pidgin."

Charles W. Howard, I. J. '22, visited the campus recently. He is professor of Education and Psychology at Whitman College, Walla Walla, Wash. He and Ella Mae (Paustian) Howard, f. s., live at 20 Merriam St., Walla Walla, Wash.

Elfrieda (Hemker) Geil, G. S. '23, of 812 S. Weller Avenue, Springfield, Mo., writes "My husband, George A. Geil, is a psychologist at the U. S. Medical Center here in Springfield. We have two children, Freddie, 6, and Wilma, 3."

Edgar L. Misegades, E. E. '24, has recently been elected secretary of the Fort Wayne Engineers' Club. He and Lavon (Parmenter) Misegades live at 3712 South Anthony boulevard, Fort Wayne, Ind.

John H. Coolidge, Ag. '25, M. S. '32, is a farm management specialist in the Kansas Extension Service. He supervises farm accounts on a farm management project in the south half of the state. He and Geneva (Wiggins) Coolidge live at 1738 Fairchild, Manhattan, Kan.

Lillie (Johnson) Lafene, H. E. '26, sends in the news that her husband, Dr. B. W. Lafene, was called to the army in May and assigned to duty at the Letterman General Hospital. Their address is Letterman General Hospital, San Francisco, Calif.

Helen (Batchelor) Pierson, H. E. '27, of a/c Escola Livre de Sociologia e Politica, Largo de Sao Francisco, Sao Paulo, Brazil, writes "I am continuing this year what I began two years ago: an effort to teach English to students in the escola Livre de Sociologia e Politica of the University of Sao Paulo where Dr. Pierson is chairman of the Department of Sociology and Anthropology. There is added interest in the courses this year, largely because a grant from the Rockefeller Foundation has enabled us to purchase for the Library of the Escola about 800 volumes of basic works in the Social Sciences, the majority of which are in English, and also that three new courses, given in English, are being offered this year in the Department of Sociology and Anthropology."

Marie Shields, H. E. '28, M. S. '40, has accepted the position of assistant nutritionist for the midwestern area of the American Red Cross. Her address is care of American Red Cross, Assistant Nutritionist Midwestern Area, 1709 Washington Avenue, St. Louis, Mo.

Merle G. Mundhenke, Ag. '29, and Clella (Fisher) Mundhenke, f. s., are farming at Lewis, Kan. They have four children, Mynie Lou, 5; Boyd Marlin, 2; and twin daughters, Lorene Kay and Loretta Fay born December 11, 1941.

Cleo O. Baker, C. E. '30, and Reva (Stump) Baker, H. E. '29, live at 901 5th street, Garden City, Kan. Mr. Baker is an assistant division engineer with the Kansas Highway Commission.

Alice K. Brill, G. S. '32, M. S. '33, received her M. D. degree from Syracuse University in June. She is now serving an internship in the University of Minnesota Hospitals, Minneapolis, Minn.

Beulah Ellis, G. S. '32, of 1107 Virginia Boulevard, Albuquerque, N. M., is a medical technician.

Norman J. Mellies, E. E. '33, is an operator for Lane-Wells company. This company specializes in oil well service. He and Mildred (Schlickau) Mellies, H. E. '34, live at 2509 N W Thirtieth, Oklahoma City, Okla. They have two sons, Gilbert Eugene, 4, and John Howard, 9 months.

Clifford H. Black, Arch. '34, is an assistant professor in the Department of Drawing, School of Mines and Metallurgy, Rolla, Mo. He was recently elected president of the Missouri Architects' Association. He and Charlyne (Forby) Black have two children, Charles, 13, and Martha, 17 months. Their address is 656 Salem avenue, Rolla, Mo.

Wayne D. Shier, Ag. '36, and Leona (Bross) Shier, f. s., live at Camden-ton, Mo., where Mr. Shier is a county extension agent.

Geraldine (Lennen) Schoonover, Music Ed. '37, and Milton Schoonover now live at 430 1-2 North Griffin avenue, Los Angeles, Calif.

Louis C. Schwanke, E. E. '35, of 1652 Victory, Wichita Falls, Texas, is an instructor in the Air Corps Technical School, Department of Mechanics, Sheppard Field, Texas.

Kenneth F. Wainner, G. S. '37, and Katherine (Keckler) Wainner, live at 513 Lamar, San Antonio, Texas. Mr. Wainner is a geologist for the Shell Company.

Charles Platt, I. J. '38, and Helen (King) Platt, M. S. '40, are now at the Radford Ordnance Works, Radford, Va. Mr. Platt, who is doing public relations work, was in charge of the Kansas State news bureau until recently.

Edna (Stullken) Uehling, H. E. '39, and Ray Uehling of Diller, Neb., manage a small, privately endowed orphanage.

Theo Beatrice Nix, I. J. '40, M. S. '41, of 2523 Tracy avenue, Kansas City, Mo., writes "I am in charge of the News Bureau at the Kansas City, Kan., office of the Call, a weekly newspaper. My office address is Room 208, 436 Minnesota avenue, Kansas City, Kan."

Kathryn E. Blevins, G. S. '41, is a sensitometrist in the amateur and professional part of the Sensitometry Department of the Testing Department of the Kodak Park plant of the Eastman Kodak Company. She tests X-ray film for its keeping qualities, and for the characteristics of freshly-coated emulsions. Her address is Apartment 3, 1710 Lake avenue, Rochester, N. Y.

Cleda Rambo, H. E. '41, lives at 300 East Armour Boulevard, Kansas City, Mo. She is a chemist with Wilson and Company in Kansas City.

Wayne Appleton, D. V. M. '42, is practicing veterinary medicine in Chapin, Ill.

Philip S. Myers, M. E. '42, has accepted a position as instructor in the mechanical engineering department, Indiana Technical College, Fort Wayne, Ind.

LOOKING AROUND

KENNEY L. FORD

Washington Alumni Picnic

Kansas State College Alumni of Washington, D. C., will meet for their annual picnic August 22. Milton Eisenhower, '24, is to speak at the meeting, and a large group of alumni is expected.

Annual Southern California Picnic

Kansas State College alumni of Southern California held their annual summer picnic at Brookside Park, Pasadena, on June 27.

Reports from the College were given at the meeting by Mac Short, '22, vice president of the Vega Aircraft Corporation, who was the speaker at the commencement alumni banquet, and by Alfred Smith, '97, and Ruth (Silkensen) McKean, '32, both of whom attended the 1942 commencement activities.

Officers elected for the coming year were J. G. Chitty, '05, of Pasadena, president; Ralph Smith, '13, of Van Nuys, vice-president; and A. D. Holloway, '07, Whittier, secretary-treasurer.

Those present included Ruth (Whearty) Maupin, '23, and Alfred Maupin; Ellen J. Hanson, '07; Vera (Holloway) Downing, '09; F. R. Mayer, '09; J. G. Chitty, '05, and Dolly (Ise) Chitty, f. s.; William O. Dunn and Edna Dunn; Mac Short, '22, and Mae B. (Siefkin) Short, f. s.; Phoebe (Smith) Romick, '97, and W. S. Romick, f. s.; Jesse A. Craig, '03; H. C. Jennings, '23, and Mrs. Jennings; Hattie (Schaumburg) Mitchell, '22; John B. Griffing, '04; Fred J. Griffing, f. s. '04; Marian (Barnes) Gudgell, '40, and Frank W. Gudgell, f. s.; Robert G. Chapman, '41; Harry S. Baird, '11, and Edna (Beaulieu) Baird, f. s.; Harvey Hubbard, '07, and Nellie (Baird) Hubbard, '05; H. L. Pellet, '93, Carrie (Horton) Pellet, and Joan; Tony Whan, '22, and Dorothy (Nelson) Whan, f. s.; Alfred Smith, '97, and Mary L. (Waugh) Smith, '99; Ruth (Silkensen) McKean, '32; Wallace Birch, '04; A. D. Holloway, '07, and Margaret (Cunningham) Holloway, '07; and E. M. Dobbs, '16.

St. Louis Alumni Gathering

The annual picnic of Kansas State College alumni of St. Louis and vicinity was held in Forest Park, St. Louis, on Saturday, June 27. Following family group suppers, a short business meeting was held. Officers

elected for next year were C. Wm. Schemm, '25, president; Hiram T. McGehee, '31, vice-president; and Harry Noel, '12, secretary-treasurer. The rest of the evening was spent in visiting.

Among those present were H. H. Harris, '37, and Zelda (Kleven) Harris, '35; R. D. Bradley, '28, and Marie (Fletcher) Bradley, f. s.; H. A. Christmann and Gertrude (Kinman) Christmann, '18; Bob Christman; John Shupe; L. O. Russell, '26, and Vera (Chubb) Russell, '26; John Drisko, '36; Mrs. P. Drisko; J. G. Koch, '31, and Mrs. J. G. Koch; H. T. McGehee, '31, and Alfreda (Meyer) McGehee, '33; O. E. Flory, '32, and Marcelline (Hill) Flory; Marjorie Call, '35 and '39; H. S. Woodward, '20, and Frances (Ford) Woodward, f. s.; H. M. Noel, '12, and Mabel (Etzold) Noel, '12; Frank I. Reynolds, '17, and Edna (Boyle) Reynolds, '18. Many children were also present.

Alumni Notice

Annual members of the Alumni Association who have not paid 1942-43 dues are urged to do so now. A few alumni and parents have recently sent in \$3 for a gift subscription for some Kansas State man in the armed forces.

DEATHS

HOLSINGER

Clarence V. Holsinger, B. S. '95, died at Ames, Iowa, June 17, 1942, following a long illness. He was 69 years old. He had been professor of horticulture in the Iowa State College extension division since 1918.

Before that time he was extension horticulturist at Kansas State, an instructor in an agricultural school in Milwaukee County, Wis., and also served as an emergency county agent in 1917, in Jefferson County, Wis. He is survived by his wife, Olive (Wilson) Holsinger, B. S. '95, at Ames, three sons, Lt. Comm. Ray W. Holsinger, U. S. N., Washington, D. C.; Lt. Col. George L. Holsinger, Vallejo, Calif.; Lt. Col. James Holsinger of North Carolina; and a daughter, Mrs. Edna Lowell of Tucson, Ariz.

BIRTHS

James L. Hollis, E. E. '38, and Wilma (Draper) Hollis, H. E. '38, wrote recently to announce the birth of a daughter May 8. She has been named Ardith Janine. Mr. Hollis is with the Crosley Corporation. The family lives at 6511 Betts Avenue, North College Hill, Ohio.

Staley L. Pitts, Ag. '39, and Margaret (Williams) Pitts have a son born March 30, 1942. The child's name is Staley William Pitts. Mr. Pitts is a physical education instructor in the U. S. Navy, and they live at 617 Mason Creek Road, Ocean View, Va.

Vorras A. Elliott, M. E. '35, and Marlene (Dappen) Elliott, H. E. '35, are parents of a daughter, Jean, who was born April 22, 1942. Mr. Elliott is with the General Electric Company and teaches in the Civilian Pilot Training Program at Union College in the evenings. The family lives at 215 Sixteenth Street, Schenectady, N. Y.

Orville W. Saffry, I. J. '39, and Miriam (Ostlund) Saffry, H. E. '40, sent announcement that their son, Warren Gene, was born on April 29. They live at Alma, Kan.

A son, Robert Fredrick, was born May 2, 1942, to Lt. Walter W. Fechner, D. V. M. '37, and Margaret (Blondheim) Fechner. Their address is 2725 Higbee Avenue, Memphis, Tenn., where Lieutenant Fechner is a veterinarian in CCC work.

Teach Course at Fort

A Red Cross Canteen course for army wives at Ft. Riley was taught during July by Kansas State College faculty members.

Conducting the classes were: Mrs. Bessie Brooks West, head of the Department of Institutional Management; Miss Mary Smull, instructor in institutional management; Miss Ellen Batchelor, assistant professor in the extension division; Dr. Leah Ascham, associate professor of foods and nutrition; Dr. W. E. Grimes, head of the Department of Economics and Sociology; and Dr. F. E. Nelson, assistant professor of bacteriology.

RECENT HAPPENINGS ON THE HILL

R. R. Dykstra, dean of the School of Veterinary Medicine, is the author of a new textbook, "Animal Sanitation and Disease Control." The 558-page text gives a foundation for prevention of animal ailments.

The approved Kansas State College budget, for the fiscal year which began July 1, provides for 70 fewer positions and the reduction of approximately \$100,000 in expenditures.

To eliminate confusion between the terms "divisions" and "departments" on the part of the general public, the names of the major institutional units of Kansas State College are now known as schools rather than divisions. The exception is the extension service which remains the Division of Extension.

The \$25 first prize in the national Quill club contest has been awarded to Margaret DeDonder, of St. Marys, sophomore journalism student. Her story "Where There's a Will—" will appear in Parchment, the official organization publication, next fall. Miss Ada Rice, professor of English, is the local Quill club sponsor.

Three seniors in industrial journalism were recipients of the President's Prize awards for the best article on research. Ema Lou Bireline, Lewis, was first; Dean Snow, Neodesha, second; and Betty Lee Beatty, Ellsworth, third. Miss Bireline received \$25 for her article, "Kansas and the Plastics Industry."

MARRIAGES

ATKINSON-COOPER

Mary Jean Atkinson and Lt. James F. Cooper, I. J. '40, were married May 1. They live in Little Rock, Ark., where Lieutenant Cooper is stationed at Camp Robinson. Lieutenant Cooper was a member of Sigma Nu fraternity.

SMOLL-MAI

Ruth Elaine Smoll, f. s. '42, was married to Julius H. Mai, Ag. '42, January 17, 1942. Since Mr. Mai's graduation in May, they are making their home on a farm at Tribune, Kan.

MEINKE-HART

Eva Ruth Meinke and Capt. George T. Hart, I. J. '37, were married May 7. Captain Hart is a member of Sigma Phi Epsilon. He is now on duty in the communicate office of the War Department bureau of public relations. Captain and Mrs. Hart live Arlington, Va. Mrs. Hart is a graduate of the University of Kansas.

FUNKHOUSER-HOBBS

The marriage of Mary Elizabeth Funkhouser, f. s., and Edward V. Hobbs, M. E. '41, took place May 3. Mr. and Mrs. Hobbs live in Wichita, where Mr. Hobbs is employed by the Cardwell Manufacturing Company.

HARPER-MILLER

Dorothy Mariann Harper, I. J. '42, was married December 24, 1941, to Kenneth Comer Miller. They are living in Wichita.

SELLBERG-HERBERS

Edith Sellberg, H. E. '38, and John Harold Shannon Jr. were married February 8, 1942. They live at 516 South Market, Wichita, Kan.

ROUSH-McCULLOUGH

Announcement was made in May of the marriage of Lillian Roush, H. E. '27, to Mr. J. W. McCullough December 31, 1941. Mr. McCullough is in the army, stationed at Fort Riley. Mrs. McCullough will continue her work in the office of Agricultural Trade Relations in Manhattan.

NELSON-BLAZIER

The marriage of Celeste Nelson, H. E. '38, and Ralph Blazier, D. V. M. '42, which took place December 26, 1941, was announced in May. They live in Elkton, Ky.

WANDLING-SHANNON

Vona B. Wandling, H. E. '36, and John Harold Shannon Jr. were married April 5, 1942. They are at home in Omaha, where Mr. Shannon is employed as a welder in the Martin bomber plant.

Should We Pray for Rain?

Since I am not a theologian, I do not propose to discuss the power of religious faith to move mountains—or to bring rain.

Yet I do believe that we live in a universe governed by laws. I believe that real prayer is the expression of man's desire to put himself and his acts in harmony with these universal laws.

Farming depends upon weather, and lack of moisture is the great hazard to crops in Kansas.

When I was young at agricultural teaching I was talking one day about desirable farm practices. When I had finished a farmer said, "You send us the rain and we will grow the crops." And the only answer I could give was that I couldn't send him any more rain; he would have to get along with what he had.

That still seems true to me. We can't change our climate, but we can change and adapt our habits. And until we have done all we know to do, to use intelligently the rainfall we now get, it appears to me that it is near to blasphemy to ask for more.

When farmers in a western Kansas county seat were proposing a prayer meeting for rain, I called attention to the eroded hillsides, to row crops running up and down rough slopes, to gullies cutting deeper with every rain. As long as such conditions prevail, it seems to me as irreligious to pray for changes in a universal plan.

Lately we have had abundant rains. But flooded lowlands, washed-out crops and overflowing streams all point to crops later starving for the water so prodigally lost.

In spite of what is said by soil scientists in the press, over the radio, through vast demonstration projects and at mass meetings, most of the farms of Kansas are yet tilled along fence rows, parallel with section lines with little or no regard for preventing water runoff.

The average rainfall in most Kansas counties would be sufficient for a crop each year if the water were kept on the land. A farmer of Greeley County told me that every year enough water ran down White Woman Creek to grow good

crops on all the farm land of the county.

Perhaps he overstated, but it frequently happens that torrential rains of 4 and 5 inches mean a runoff of from two-thirds to three-fourths of the total. This may mean a water loss of over one-half of the annual total rainfall. The Office of Dry Land Agriculture has found that 7 to 8 inches of available moisture will practically insure a crop of wheat. The average rainfall of our driest counties in Kansas is from 15 to 18 inches.

The water is sent to us. How do we use it? Glenn E. Kindler of Jewell county says that his terraces and contour farming not only give better yields but make it easier to get good stands of row crops because of less washing and flooding. He is conserving and utilizing water and soil.

B. H. Hewett of Coldwater says contour farming for wheat and row crops increases labor cost but lowers the cost of power. His uniformly good yields are the best recommendation for his practices. Instead of helping to flood the bottom lands such farms maintain and make possible a permanent agriculture.

In this way practical farmers save the rain to feed a hungry world. In these times we cannot afford to waste our labor, our rainfall or our soil. These great rich acres of our national heritage are ours in trust to be used wisely for the world's need, and to be preserved for the generations to follow.

Shall we pray for rain? Let us use wisely the rain we now get, and we will find our prayers answered. After we have contoured, terraced, strip-cropped, established permanent cover on steep slopes, made soil-saving dams, established farm ponds, and maintained organic matter by green manures and crop residues; after doing all the things that intelligent, earnest workers of the soil must do, then we are ready to get on our knees and thank our Maker for the showers of blessing He has already so bountifully granted to us. We will then, and then only, have really prayed for rain.—C. D. Davis, Associate Professor of Farm Crops.

SILK VS. NYLON HOSE

Silk hose or nylon? The favorite feminine controversy of pre-war days, futile now in the face of priorities and substitute cotton and rayon, has been settled.

For performance, it's nylon 3 to 1. For economy, it's nylon 2 to 1.

For length of wear, it's nylon 4 to 1.

For elasticity and bursting strength, it's nylon.

The debate was closed when Miss Genevieve Smith, a teacher from Benton Harbor, Mich., presented her thesis research for a master's degree in Home Economics at Kansas State College this month.

Enlisting the co-operation of two other teachers and a member of the Bureau of Home Economics, Miss Smith tested 39 pairs of stockings, 22 silk ones and 17 nylon. They compared three-thread silk, the favorite of most women, and nylon of 30 and 40 denier from four leading manufacturers. For more than a year and a half, tests were made under actual wearing conditions, the only concession being the infant-like care in washing.

The average number of hours wear for nylons was three times that of silk, or 450 hours to 157 hours. The longest wearing nylon lasted 1,274 hours, four times that of the longest wearing silk. Two pairs of nylons lasted more than 1,000 hours each.

The working girl story of skimpy lunches to buy silk hose was no myth, according to the research in cost and performance. The average silk cost was 9.9 cents a day. Nylon cost only 4.5 cents a day, even though the initial cost of nylon was higher.

The majority of failures in both types of stockings was due to snags and runs. A few holes were worn in the toes of the nylon but none in the heels. Nylons, however, showed more runs from the welts than the silk.

Those who kneel in church feel more secure in nylon. Its superior bursting strength and greater elasticity protect against popping knee runs.

Nylons were found to fade more than silk, but Miss Smith believes this is due to the greater number of times they were laundered.

To insure utmost wear, Miss Smith was particular that leg and foot sizes were correct, that two pairs were alternated and then laundered after each wearing. For washing, she used mild soap flakes in luke warm water, rinsed until the water was clear, rolled them in a towel to press out moisture and then put them on a smooth rod away from heat and sunlight.

HARBORD IS PROMOTED

Maj. Gen. James G. Harbord, '86, has received a belated promotion to the rank of lieutenant-general, as the result of recent Congressional action.

The recipient of the Distinguished Service Medal for commanding the 2nd division during an attack on Soissons, France, July 18, 1919, Harbord was recommended for the promotion back in World War I days, but Congress failed to act.

General Harbord retired from the army in 1922 and is now chairman of the Board RCA. Four years ago he established a \$5,000 loan fund for needy students as a memorial to his mother, Mrs. Effie C. Harbord.

EVERYDAY ECONOMICS

By W. E. GRIMES

"It is not sufficient merely to know the how. If one is to be valued he must also know the why."

There are those persons who know "how" and there are those who know "why" but the important people are those who know both the "how" and the "why."

Knowing how is the practical. The one who knows how can do the things that he knows how to do. The one who knows why can explain the things which occur. This is the field of theory. The theoretical explains why things happen as they do.

The person who knows how to do things and then knows why the results are obtained probably can figure out new ways to do things. He understands the results obtained and why they are obtained. On this basis he may be able to forecast new results if things are done in a different way.

In these eventful days when democracy is fighting for existence the importance of knowing why is un-

WITH 6 COACHES IN SERVICES, KSC ATHLETICS IN NEW HANDS

HAYLETT, COCHRANE, SOCOLOFSKY, NELSON LEAD IN 1942-43

With six members of the athletics department in the army and navy, Kansas State will open the 1942-43 athletic season with a greatly revised coaching staff. All vacancies have been filled with appointments for the duration.

Ward Haylett, popular track coach and football assistant at Kansas State since 1928, was appointed head football coach to succeed John Harold "Hobbs" Adams, who was assigned to active duty as a lieutenant in the physical education program of the Navy in June. After a number of temporary assignments, Adams will report to Jacksonville, Fla., on August 1.

Succeeding Jack Gardner, who left his position as head basketball coach in May to become a lieutenant in the naval air corps, is Owen "Chili" Cochran '31. Cochran, a former Wildcat star, has been Gardner's assistant for the past three years. Others joining the Navy's physical education program were Bill Schutte, line coach; Frank Thompson, physical education instructor; and C. S. "Cooney" Moll, head swimming coach. B. R. "Pat" Patterson, head wrestling coach, has been commissioned a lieutenant in the Department of Military Science and Tactics at K-State.

During July two additions were made to the football staff, completing Haylett's assistants. Charles Socolofsky '38, former football and track star at the College, was named assistant football coach. "Soc" last year coached the Manhattan High School Indians to their first Central Kansas League championship. Carl Nelson, for 12 years high school football coach at Clay Center, Kan., will be the Wildcat backfield coach for the coming season. Nelson was a football star at Bethany College, Lindsborg, Kan., and has made an outstanding record as a coach at Clay Center.

HAY METHOD OF REGRASSING RECOMMENDED IN CIRCULAR

Crops Specialist Discusses Re-establishing of Native Grasses

The hay method of re-establishing native grasses, which has proved practical in regressing rough, erosive and unproductive cultivated land, especially in western Kansas, is explained in Kansas circular 208, by Leon E. Wenger, forage crops specialist at the Fort Hays Branch of the Kansas Agricultural Experiment Station.

This method of seeding prevents wind erosion, retards runoff and reduces water erosion, in addition to preventing soil crusting, Wenger explains.

"Experience with the hay method indicates that it is adaptable to a wide variety of conditions and that it may be employed almost anywhere in Kansas where native grasses are available," says the author.

The hay method consists of spreading mature hay, containing ripe seed, over a seedbed with a manure spreader and providing some kind of tillage that will cover the seed and anchor the hay.

K-STATE WAR TRAINING PROGRAM

TO GET UNDER WAY ON SEPTEMBER 7

The war training program, formerly called defense training, will officially get under way at Kansas State College with the opening of two courses on Labor Day, September 7.

Product inspection and engineering drawing are the two courses scheduled for the new session, according to Prof. W. W. Carlson, institutional representative. Approval for the courses has been received from the United States Department of Education. These training courses are tuition free.

'IN THE FORESTS' TO BE PUBLISHED

IN ENGLAND, HOUGHTON MIFFLIN SAYS

Kenneth S. Davis' widely-acclaimed novel, "In the Forests of the Night," will be published in London by Hamish Hamilton, Ltd. despite the paper shortage there, it has been announced by the American publishers, Houghton Mifflin.

Davis, a 1934 K. S. C. graduate, has just accepted a position with the Hercules Powder company in Louisiana, Mo., as public relations officer.

Federal Loans for Students

Kansas State students who will complete work for technical or professional degrees within two years may be able to obtain loans from the federal government to help pay school expenses.

Congress has appropriated five million dollars for loans to students enrolled in engineering, physics, chemistry, medicine (including veterinary), dentistry, and pharmacy. To be eligible, the student must attend school 12 months of the year.

Murals in Anderson Hall

Murals depicting college life now border the walls of room 22 in Anderson hall. The work of students in advanced design in the Department of Art, the murals include life in the nursery school, veterinary medicine, the dairy counter, athletics, clothing, zoology, chemistry, pottery, dancing and radio.

Lt. Harold L. Nonamaker, '32, graduated recently from the officers' training school at Ft. Benning, Ga., and has been transferred to Camp Blanding near Jacksonville, Fla.

TWO ALUMNI GIFTS

Two memorial gifts have increased student loan funds by \$4,500, Kenney L. Ford, alumni secretary, has announced.

A gift of \$4,000 from Miss May Secrest, class of 1892, and her brother, Edmund Ray Secrest, class of 1902, is a memorial to their parents, Edward and Sophia Secrest.

Miss Secrest, who lives at the Woman's Faculty club in Berkeley, Calif., has retired from her position as assistant state home demonstration leader for the University of California. Dr. Secrest is director of the Ohio Agricultural Experiment Station in Wooster, Ohio. He received the honorary degree of Doctor of Science at the 1942 commencement of Kansas State.

"To help strengthen the leadership in the 4-H program," 4-H members will be given preference in the gift of \$500 to the Alumni Student Loan fund by Mrs. Dan Otis. This will be known as the Dan H. Otis Memorial, in honor of Mrs. Otis' late husband, who was director of the agricultural commission of the American Banker's Association at the time of his death, November 20, 1941.

Mrs. Mary Lyman Otis was graduated from Kansas State in 1894. Her husband was awarded his bachelor's degree here in 1892 and his master's in 1897.

He served on the KSC faculty from 1892 to 1903, the last two years as a professor of animal husbandry. He was editor of the Banker-Farmer, publication of the American Bankers association from 1923 to 1927 and after that the association's Bulletin. He was the author of many booklets on farm and household accounts and farm investments.

Revise Popular Bulletin

How mothers can apply nursery school methods in the home is explained in a recently revised bulletin by staff members of the Kansas State College Department of Child Welfare and Euthenics. The revision was prepared under the direction of Dr. Katherine Roy, head of the department. One of the College's most popular bulletins, as judged by requests received for copies of it, "Applying Nursery School Methods of Child Training in the Home" contains information on childhood activities, behavior, development of character and eating habits.

ALL HOME ECONOMICS DEPARTMENTS

PREPARE STUDENTS FOR EMERGENCY

Although the urgent demand for nurses and dietitians is expected to increase emphasis on such training this fall, other home economics departments will also prepare students to meet war demands.

Subject matter will be slanted to meet special war problems. Economy will be the watchword of the entire division as students will be taught to adjust their living to tighter budgets and the use of substitutes.

Family courses will devote time to human relationships in war; household and buying classes will emphasize conservation and greater care of equipment; and art classes will consider relaxation and home production from crafts.

"Dietitians, especially those for hospital work, are important now. We can't fill the demand," Mrs. Bessie Brooks West, head of the Department of Institutional Management, is advising girls interested in war service.

The same story is told for nurses by Miss Eva McMillan, assistant dean of the Division of Home Economics, who points out that although the enrollment in Home Economics and Nursing here is increasing steadily, the demand is great. For non-majors, classes in home nursing will be given again this year. With additional work, these classes lead to a Red Cross certificate.

PREVENTION IS EMPHASIZED IN SHEEP DISEASE BULLETIN

Dykstra and Others Prepare Experiment Station Circular No. 212

Stressing the problem of prevention of sheep diseases, rather than their treatment, the Kansas State Agricultural Experiment station has released a bulletin outlining various methods of management and sanitation.

"Control of Sheep Diseases," the bulletin prepared by Dr. R. R. Dykstra, dean of the Division of Veterinary Medicine, and by staff members of the division, discusses the wintering of the ewes well and the care of lambs after they are born and until the time they are marketed.

The publication, Circular No. 212, may be obtained by addressing a request to the Kansas Agricultural Experiment station, Manhattan.